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THE CHEMIST AND DRUGGIST

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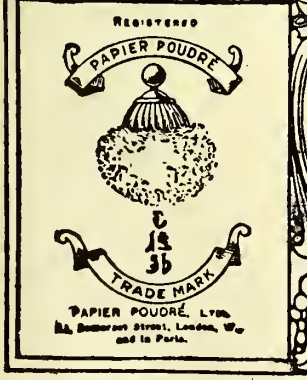

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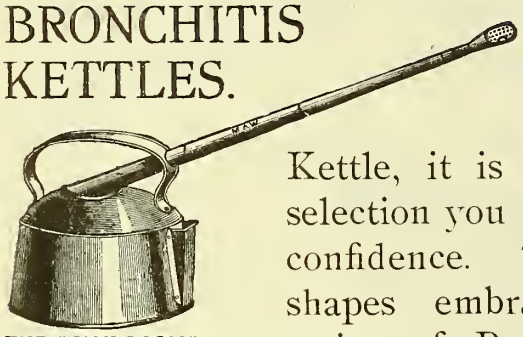

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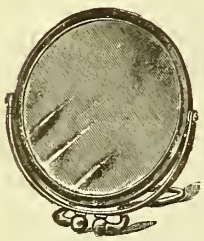

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Zeal, G. H.

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O'Neil, Zetts & Co.
Senier, Alf., & Co.

COAL TAR SPECIALITIES
Wright, Layman & Umney, Ltd

COCOA
Cadbury Bros., Ltd.
Sandow, Eugen

COD LIVER OIL
British Drug Houses, Ltd., The
Charity, W., & Sons
Devold Peder
Jervell & Co.
Möller, Peter, Ltd.
Sparks, White & Co. Ltd.
Wright, Layman & Umney, Ltd.

COLLAPSIBLE TUBES
Betts & Co.
Brooks, Peel & Co.

COLOURS, BEVERAGE, &c.
Barnett & Foster
Boake Roberts & Co.
Stevenson & Howell, Ltd.

COLOURS, CHEMICAL
Williams Bros. & Co.

COMBS
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, Francis & Sons, Ltd.

COMPLEXION LEAFLETS
Sangers

CONDENSERS
Bennett, Sons & Shears, Ltd.

CONFECTIONERY COLOURS
Williams Bros. & Co.

CONTINENTAL PROPS.
Wilcox, Jozeau & Co.

COPPERSMITHS
Braithwaite, H., & Co., Ltd.
Bennett, Sons & Shears, Ltd.

CORKS
Ayrton, Saunders & Co., Ltd.
Mitchell, N. W., & Sons, Ltd.
Swales, Thomas
Viscose Development Co., Ltd.

CORN EXTERMINATOR
Gardner

CORN PLASTERS
Solport Bros.

COUGH REMEDIES
Valda Pastilles

COUNTER ADJUNCTS
Evans Sons Lescher & Webb Ltd

COUNTER DISPLAY STANDS
London & Colonial Mfg. Co.

COUNTER SPECIALITIES
Allen & Hanburys, Ltd.
British Drug Houses, Ltd., The
Hewlett, C. J., & Sons
Lloyd, T. H., & Co., Ltd.
Lorimer Marshall
May, Roberts & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Wright, Layman & Umney, Ltd.

COURT PLASTER
Pharm. Indust. Ges. (Offenbach)
Solport Bros.

CREAM OF TARTAR
British Drug Houses, Ltd., The

CREOSOTE
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Morson, T., & Son

CREPE BANDAGES
Burge, Warren & Ridgley, Ltd.
Gimber, W., & Son
Leslies, Ltd.
Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

CYANIDES
May & Baker, Ltd.

DAIRY SPECIALITIES
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

DENTAL INSTRUMENTS
Hatrick, Jas. L., & Co., Ltd.

DENTAL MECHANICS
Cullwick H. E.
Fentiman, A. G.
Fentiman, A. J., & Co.
Garthwaite, H.
Halder, E. C.
Smith, J. S.
Wardale & Co.

DEVELOPERS
Express Developing Co.

DEXTRINE
Fink, F., & Co.

DIGESTIVE PRODUCTS
Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Widenmann, Broicher & Co.
Zimmermann, O., & Co.

DENTIFRICES
Bash & Co.
Beecham, T.
Bell (John), Hills & Lucas, Ltd.
Blackie, Robert
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Eucryl, Ltd.
Jewsbury & Brown
John Strange Winter
Knox, Walker, J., & Co.
Lambert Pharmacal Co.
McKesson & Robbins (Insol)
Mason Bros. & Chapman
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Riedel, J. D., & Co.
Sangers'
Standard Tablet & Pill Co., Ltd.
Woolley, J., Sons & Co., Ltd.

DEVELOPERS (PHOTO)
Griffin, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chts.)

DIABETIC FOODS
Ayrton, Saunders & Co., Ltd.
Brusson Jeune
Van Abbot, G., & Sons

DISINFECTANTS
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Jeyes' Sanitary Compds., Ltd.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.

DOUCHES
Eschbaum, F. A., Ltd.
Maw, S., Son and Sons
Reuter, R. J.

DRUGGISTS' SUNDRIES
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb Ltd
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE
Baiss Bros. & Stevenson, Ltd.
Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodall, Backhouse & Co.
Horner & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

DYES
Crawshaw, E., & Co.
Judson, Daniel & Son
Whitaker & Co. (Hat)

DYEWARES
Clemens, Marshall & Carbert

EAU DE COLOGNE
Farina, J. M.
Farina, J. M. (No. 4)
Farina, Johann Maria
Fiokns, Courtenay & Co.
McCracken, J. & R.
Schutze F. & Co. Ltd.
Van Oppen Ross & Co.

EAU DE COLOGNE SOAP
Van Oppen Ross & Co.

EFFERVESCENT PREPS.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
Guest, Thos. & Co.
Lloyd, T. Howard & Co.
Wright, Layman & Umney, Ltd.

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co. Ltd.
Wood, Vincent

EDUCATIONAL INSTITS
Bath & West of England College
Birmingham & Midland College
College of Preceptors
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
South of England College
Westminster College

ELASTIC GUM INSTS.
Mason Bros. & Chapman

ELECTRICAL NOVELTIES
Ward & Goldstone

EMERY AND CLOTH
Oakey, J., & Son, Ltd.

EMULSIFIERS
Bennett, Sons & Shears, Ltd.

EMULSIONS, C. L. O. &c.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Burgoyne, Burbidges & Co.

ENEMAS
Burge, Warren & Ridgley, Ltd.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne, W., & Co., Ltd.

EPSOM SALTS
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Tombarel Frères

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White A., & Sons

EUCALYPTUS OIL
British Drug Houses, Ltd., The

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Evans Sons Lescher & Webb Ltd.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

FACTORY SITES
North-Eastern Railway
Great Western Railway

FEEDING BOTTLES
Bush, Henry, W., & Co., Ltd.
Evans Sons Lescher & Webb Ltd.
Horlick's Malted Milk Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Reuter, R. J.
Sangers'

FILTERS
Berkefeld Filter Co., Ltd.

FOODS, INVALID,
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
Lecithin, Ltd.
"Lemco and Oxo"
Lofthouse & Saltmer
Manley & James, Ltd.
Natural Food Co., Ltd.
Neave, Josiah R., & Co.
Theinhardt's Food Co.
Turtle Cup (1911), Ltd.
Wander, A., Ltd.
Willows, Francis, B. & T.

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

FLESH GLOVES, STRAPS, &c.
Reuter, R. J.
Sangers'
Solport Bros.

FLYCATCHERS
Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Ford, Shapland & Co.
Kay Bros., Ltd.
Smith, J. H., & Co.
Tunbridge & Wright

FURNITURE POLISH
Ellvee Company

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERINE
Meffert, Hermann & Co.
Price's Patent Candle Co., Ltd.

GLYCERINE PLANT
Forshaw, E., & Sons, Ltd.

GLYCEROPHOSPHATES
Merck, E.
Pointet & Girard
Reitmeyer & Co.

GOLD PAINT
Judson, D., & Son

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Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.

GRIPE WATER
Woodward, W., Ltd.

GUMS
Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES
Blackie, Robert
Harker, Stagg & Morgan, Ltd.
Osborne, Garret & Co.

HAIR PREPARATIONS
Anglo-Continental Trading Co.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Egglossa Manfg. Co.
Harker, Stagg & Morgan, Ltd.
Harrison, G. W.
Herpicide Co.
John Strange Winter
Odol Chemical Works
Osborne, Garrett & Co.
Robare's Aureoline
Vibert, F.
Warner Oliver, Ltd.

HAT CLEANERS
Christy, Thos. & Co.
Senier, Alf., & Co.

HAT DYES
Judson, D., & Son
Whitaker & Co.

HAY FEVER REMEDY
Lu-Ku Co.

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Clark's Syphon Stove Co., Ltd.
Rajar, Ltd.
Richmond Gas Stove & Meter

HERBS
Brook, Parker & Co., Ltd.
Pannett & Neden
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

HOSPITAL FURNITURE
Hatrick, Jas. L., & Co., Ltd.

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES, &c.
Bailey, W. H., & Son
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Galen Manfg. Co., Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Schutze, F., & Co., Ltd.
Sheath Bros.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYPOPHOSPHITES
May & Baker, Ltd.
Tyrer, T., & Co., Ltd

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL
Ichthyol Gesellschaft

INK POWDERS
Williams Bros & Co.

INSECT POWDER
Keating, Thomas

INHALERS
Burroughs Wellcome & Co.
Maw, S., Son & Sons
Sanitas Co., Ltd.

INSECTICIDES
Christy, Thos. & Co.
Tomlinson & Hayward, Ltd.

INSTEP SUPPORTS
Scholl, C. Manfg. Co.

IODINE RESUBLIMED
Howards & Sons, Ltd.
Huskisson, H. O., & Co.

IRISH MOSS
Cummiug, J. W.
Salle, H., & Co.

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Johnsen & Jorgensen, Ltd.
Pfeifer, O. A.
Reuter, R. J.
Stipendum Stopper Co.

JELLOIDS
Jelloid Co.

JUJUBES
Guest, Thos., & Co.
Potter & Clarke, Ltd.

JUNKET POWDER
Armour & Co., Ltd.

LAMPS
Block Light Co., Ltd.

LANOLINE
Burroughs Wellcome & Co.

LARD
Ewen, J., & Sons

LAVENDER OIL
Zimmermann, C., & Co.

LAVENDER WATER.
Maddocks & Co.

LEATHER DYES
Williams, Bros. & Co.

LECITHIN
Salle, H., & Co.

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, &c.
Mumford, G. S., & Sons

LINTS
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.

LIQUORICE JUICE
Apollo
Evans Sons Lescher & Webb Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons
Solazzi
Whittaker, Arthur

LIQUORS, CONC, &c.
Fletcher, Fletcher, & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.
Wyleys, Ltd.

LITHIA SALTS
British Drug Houses, Ltd., The
May & Baker, Ltd.

LOOFAHS
Internl. Sponge Importers, Ltd.
Solport Bros.

LOZENGES
Ayrton, Saunders & Co., Ltd.
Denoual, J., & Co.
Guest, Thos. & Co.
Jackson, E. E.
Potter & Clarke, Ltd.
Raimes & Co.
Standard Tablet & Pill Co., Ltd.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Braithwaite, H., & Co., Ltd.
Comet Chemical Co., Ltd.
Forshaw, E., & Son, Ltd.
Gardner, Wm., & Sons, Ltd.
Griffin, J. J., & Sons, Ltd.
Lister, R. A., & Co., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co

MAGNESIA AND ITS PREPS.
British Drug Houses, Ltd., The
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

MARKING INK
Hickisson, A. (Bond's)
Williams Bros. & Co.

MALT EXTRACT & PREPS.
Boulton, J., & Co.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Davies, Sons & Co.
Evans Sons Lescher & Webb.

METAL GOODS
Betts & Co., Ltd.

MEAT EXTRACTS
Armour & Co., Ltd.
Brand & Co., Ltd.
"Lemco and Oxo."
Tooth's Extract of Meat Co.
Turtle Cup (1911), Ltd.

MECHANICAL SHOW FIGURES
Bush, Henry W., & Co., Ltd.

MENTHOL SNUFF
Shirley Bros., Ltd.

MERCURIALS
Alliance Drug & Chem. Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

METHYLATED SPIRIT
Burrough, J., Ltd.
Macnair, A., & Co.
Preston's Liverpool Distillery.
Randall & Son, Ltd.

MICROSCOPES
Raphael's, Ltd.

MINERAL WATERS, SALTS
Apollinaris Co., Ltd.
Hughes, E. Griffiths.
Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

MIXERS AND SIFTERS
Comet Chemical Co., Ltd.
Gardner, Wm. & Sons (Gloucester), Ltd.

MUSTARD PLASTERS
Rueff, Julius

NURSES REQUISITES
Hatrick, Jas. L., & Co., Ltd.

OILS, MINERAL, FATTY,
Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil & Ceresine Co.
Stern Sonneborn Oil Co., Ltd.

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chemical Co.
Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Delvendahl & Küntzel
Dodge & Olcott Co.
Evans Sons Lescher & Webb, Ltd.
Lautier Fils
London Essence Co.
Poppelreuter, W.
Ransom, W., & Son.
Schimmel & Co.
Stevenson & Howell, Ltd.
Tombarel Frères
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

OINTMENT MILLS
Wilkinson, S. W., & Co.

OINTMENTS
Blackie, Robert
Burgess, E.
Calvert, F. C., & Co.
Cox, Arthur H., & Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd
Smith, Maurice
Zimmermann, Chas. & Co.

OLIVE OIL
Goodall, Backhouse & Co.
Sparks, White & Co. Ltd.
Varaldi, F.

OPTICAL GOODS
Baird, John
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd.
Raphael's, Ltd.

OPTICAL TUITION
British Optical Institute, Ltd
Spectacle Makers' Company

ORANGE WINE
Hobson, Joseph & Son
Melrose-Drover Co., Ltd.
Millar, A., & Co., Ltd.

OTTO OF ROSE (SYNTH.)
Crown Chem. Wks.
Wright, Layman & Umney, Ltd

PALATINOIDS
Oppenheimer, Son & Co., Ltd

PATENT AGENT
Barker, R W

PHOTO. POSTCARDS
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Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton, James & Co. (1909)
Brook, Parker & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Davies, Sons & Co.
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Knox Walker, J., & Co.
Lloyd T., Howard, & Co.
Lorimer Marshall
May, Roberts & Co., Ltd.
Newball & Mason
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers'
Shirley Bros., Ltd.
Standard Tablet & Pill Co., Ltd.

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Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb, Ltd.
Guest, Thos. & Co.
Warrick Bros.

PEPPERMINT OIL
Bing, M. & A. C.

PERFUME MATERIALS
Bush, W. J., & Co. Ltd.
Delvendahl & Kuntzel
Horner & Sons
Lautier Fils
Naef, M., & Co., Succrs.
Schimmel & Co.
Tomharel frères
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, C. & Co.

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Atkinson, J. & E., Ltd.
Baiss Bros. & Stevenson, Ltd.
Barclay & Sons, Ltd.
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Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Claber, S., & Co., Ltd.
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Evans Sons Lescher & Webb, Ltd.
Haliflor Co.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Jago & Jerome
John Strange Winter
Lesool Perfumery Co.
McCracken, J. & R.
Newbery, F., & Sons, Ltd.
Piver, L. T.
Queloh, H. C., & Co.
Rivers, Hill & Co., Ltd.
Southall Bros. & Barclay Ltd.
Van Oppen, Ross & Co.
Vinolia Co.
Warrick Bros.
West, T., & Son
Wolff, F., & Sohn

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Rendell, W. J.

PETROLEUM JELLY
Chesebrough Mfg. Co.
Schliemann's Oil & Ceresine Co.
Stern, Sonnehorn Oil Co., Ltd.

PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Griffin, John J., & Sons, Ltd.
Johnson & Sons (Mfg. Chts.), Ltd.
Reitmeyer & Co.

PHOTO. GOODS
Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd.
Express Developing Co.
Ilford, Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts, & Co., Ltd.
Newbery, F., & Sons, Ltd.
Oppenheimer, Son & Co., Ltd.
Sylvax Photo Works

PHOTO. RUBBER GOODS, &c
Altrincham Rubber Co.

PLASTIC MODELS
Knox, Walker (J.) & Co.

POSTAL BOXES
Robinson & Sons, Ltd.

PLASTERS
Allcock Mnfg. Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Leslies, Ltd.

PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
British Drug Houses, Ltd., The
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ltd.
Wand Manfg. Co.
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PLEATED PAPER
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Smith Bros. & Co.

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Oakey, J., & Sons, Ltd.

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Ford, Shapland & Co.

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Arden Press
Ford, Shapland & Co.
Harrison & Waide
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PROPRIETARY ARTICLES
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Barclay & Sons, Ltd.
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Beecham, T.
Bow's Linament, Ltd.
Box, W. H.
British Drug Houses, Ltd., The
Burgess, E.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Clark, Cicero S.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Daisy, Ltd.
Danysz Virus, Ltd.
Davenport, J. T., Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Fellows' Med. Mnfg. Co.
Fennings, Alfred
Ferris & Co.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hughes, E. Griffiths
Ichthyol Gesellschaft
Kay Bros., Ltd.
Keating, Thomas
Kutnow, S., & Co., Ltd.
Lalor's Phosphodyne
Lecithin, Ltd.
"Lemco" and "Oxo"
Lofthouse & Saltmer
"Lu-Kn" Co.
Mackenzie's Cure Depot
Martindale, W.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.
Richter, C., & Co.
Riedel, J. D., Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Lewis
Squire & Sons
Standard Tablet & Pill Co. Ltd.
Tefras Speciality Co., Ltd.
Thompson & Capper
Tunbridge & Wright
Ucal Works
Urillac Syndicate
Valda Pastilles
Wander, A., Ltd.
Warner Oliver, Ltd.
Warrick Brothers
Wilcox, Jozeau & Co.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

PUFFS
Solport Bros.

PULVELLÆ
Warrick Bros.

PULVERETTES
Oppenheimer, Son & Co.

PUMPS
Berkefeld Filter Co., Ltd.

QUININE AND SALTS
Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RESIN AND RESINOIDS
Allen, S., & Sons, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RENNET
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESPIRATORS
Zimmer & Co.

RUBBER GOODS
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Le Brasseur Surg. Mnfg. Co.,
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Surgical Hosiery Co., Ltd.
Warne, W., & Co., Ltd.

RUBBER STAMPS
Richford, C. D.

SACCHARIN
Saccharin Corporation, Ltd.

SAMPLE CASES
Keane, Thomas

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Smith, B. A., & Co.

SAPONIN
Field, C. W

SAUCES
Goodall, Backhouse & Co.

SCALE PREPARATIONS
Morson, T., & Son

SCIENTIFIC APPARATUS
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SEA SALT
Tidman & Son, Ltd.

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Evans Sons Lescher & Webb, Ltd.
Parke, Davis & Co.
Richter, C., & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

SHARES
McAdam & Tuckniss

SHELLAC
Kershaw, H. E., Ltd

SHEEP DIPS
Burt, Boulton & Haywood
Tomlinson & Hayward, Ltd.

SHEEP MEDICINES
Pettifer, Stephen, & Sons

SHOP FITTING
Ayrton-Graham, Ltd.
Bowling & Son
Cook, George
Evans Sons Lescher & Webb, Ltd
Grant, D.
Josephs, Philip & Sons, Ltd.
London & Colonial Mfg. Co.
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.

SHOULDER STRAPS
Wood, Vincent

SOAP MATERIALS
Armour & Co., Ltd.

SOAP PLANT
Forshaw, E., & Son, Ltd.

SODA FOUNTAINS
Flugel & Co.

SODIUM BICARBONATE
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Electrolytic Alkali Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S., & Sons

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Aerators, Ltd.

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Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd

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Armour & Co., Ltd.
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Bronnley, H. & Co., Ltd.
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Chesebrough Mfg. Co.
Cook, E. & Co., Ltd.
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Lescol Perfumery Co.
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Pears, A. & F., Ltd.
Peat Products (Sphagnol), Ltd.
Piver, L. T.
Price's Patent Candle Co.
Resinol Chemical Co.
Van Oppen, Ross & Co.
Vinolia Co., Ltd.
Wolff, F. & Sohn
Wright, Layman & Umney, Ltd

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Goodall, Backhouse & Co.

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Burrough, J., Ltd.
Preston's Liverpool Distillery

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Maw, S., Son & Sons
Sangers'

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Burt, Boulton & Haywood, Ltd.
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Maw, S., Son & Sons
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Rogers, Frank A.
Sangers'
Toogood, Wm., Ltd.

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Betts & Co., Ltd.
Brooks, Peel & Co.

SPRUCE BEER
Hobson, Joseph, & Son

STARCH
Mumford, G. S., & Sons
Wood, Chas. E.

STILLS
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Bennett, Sons & Shears, Ltd.
Braithwaite, H., & Co., Ltd.
Brown & Son (Automatic)
Stokes, F. J., Machine Co.

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Fletcher, Fletcher & Co.
Stipendum Stopper Co.

SUPPOSITORIES
Anglo-Continental Chem Works
Cox, Arthur H., & Co., Ltd.
Peat Products (Sphagnol), Ltd.

SURGICAL APPLIANCES AND DRESSINGS
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Berliner, Arthur
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Galen Mnfg. Co., Ltd.
Gimber, W. & Son
Hatrick, Jas. L., & Co., Ltd.
Haynes, G., & Co.
Haywood, J. H., Ltd.
Liverpool Lint Co.
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Martindale, W.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Queloh, H. C., & Co.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Surgical Hosiery Co., Ltd.
Taylor, W. G.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

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Anglo-Continental Chem. Wks.
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Boehringer, C. H., Sohn
Hoffmann-La Roche, Ltd.
Reitmeyer & Co.
Riedel, J. D., Co.
Widenmann, Broicher & Co.

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Barnett & Foster
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Idris & Co., Ltd.
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Fellows' Med. Mnfg. Co.
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Delvendahl & Küntzel
Naef, M., & Co., Succrs.
Wright, Layman & Umney, Ltd
Zimmermann, C., & Co.
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Asche, C. F., & Co.
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British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
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Johnson & Sons (Mfg. Chts.), Ltd.
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Wand Manfg. Co.
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Bennett, Sons & Shears, Ltd
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Osborne, Garrett & Co.
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Original Hydrate of Magnesia,

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Supplied also in bulk, 13/- lb.

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We specially recommend the ¼ lb. (5oz.) to your notice. This can be retailed at 4/- each.

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But—

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Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, *London, Eng.*

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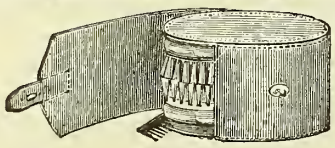

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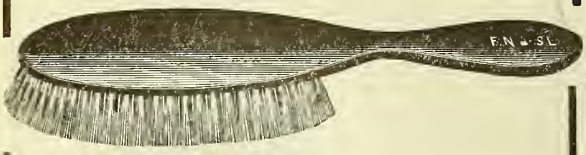

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Euthymol Tooth Paste has become the favourite dentifrice of millions of people who are to be found in every country of the civilised world. While the Dentifrice is in enjoyment of world-wide approval, its popularity is helped at the instance of the pharmacist who has discovered in it an excellent source of profit, and withal a most attractive preparation for display purposes, either at the counter or in the window. Some retailers have already realised the value of a branded article in promoting interest in other lines by giving prominence to several other Euthymol Preparations, among which may be mentioned Euthymol Cold Cream, Euthymol Shaving Cream, and Euthymol Talcum Powder. Euthymol Toilet Preparations are attractive investments for every retail pharmacist, and energetic support of them results in the building up of business at a much more rapid rate than when an equivalent amount of energy is spent in exploiting new name, or "own-name" preparations.

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Business in Euthymol Preparations is progressive. Why not enjoy your share of the profits resulting from this well established, yet increasing demand that is aided all the time by progressive advertising?

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Laboratories: Hounslow, Middx.; Detroit, Mich., U.S.A.; Walkerville, Canada.

SHALL I PUSH EUCRYL TOOTH POWDER

or run one of my own make? Is this the question that is troubling you? If so let us study the financial aspect of the case. Could you produce for 3d. per tin a dentifrice equal in quality, appearance, and style to Eucryl? Could you include for this sum free samples, showcards, and advertising matter? Our experience tells us that, unless working in large quantities as are prohibitive to a retail business, you could not

It is cheaper to buy Eucryl, the dentifrice that pays you 100 per cent. profit, and which your customers will come for again and again.

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NO POLISH

In bottles, 6d. each, in separate neat cartons, with suitable brush.
These Dyes are a distinct invention, dying the straw without an objectionable varnished appearance, and producing the effect of new goods. On the P.A.T.A.
Write for terms, patterns, also leaflet of testimonials:

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mmer Issue, 1911, pp. 42, 43.
Diary, 1911, pp. 76, 77.

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Spurious "SILVERDRAWN" Tooth Brushes are being stamped "SILVERDRAWN" and offered to the Trade, which are NOT made by us, and to prevent loss and disappointment Chemists desiring our make of Brushes will please in future order through our recognised agents, our travellers, or direct from the works, Axminster, Devon.

BIDWELL, BIDWELL & CO.

A "Warnol" Showcard reminds customers that you keep up to date.

"WARNOL" IS THE PRICE AND 20% PROFIT-PROTECTED ARTICLE WITH THE DAILY INCREASING DEMAND THAT MAKES IT PAY YOU HANDSOMELY.

In these days of severe competition the public is open-eyed and open-eared, and it is the seemingly little things that tell in the long run whether you or a competitor gets the biggest share of a particular line of business.

A "Warnol" showcard is one of the seemingly little things that often means the big difference between a new customer found or a customer lost.

"Warnol" always in stock is another item in the list of seemingly small things that make and keep customers.

The "Warnol" showcard continually reminds your customers that you are up to date and they patronise you because they know by patronising you they can always get the latest and best of everything.

To have "Warnol" ready for any demand is applying one of the first principles of successful business building—the principle that satisfaction is a necessity to continual business increase. Satisfied customers are the foundation of your business and you make satisfied customers by giving them what they want *when they want it.*

The best business policy is to be in a position to supply "Warnol" immediately when it is asked. Hand it over the counter at once and your customer is completely satisfied. Tell him :—"I am out of stock, but I'll get it for you," and he may appear to be satisfied, *but he never forgets the delay.*

Just begin now to try this plan. Put in a stock of "Warnol"—it need not be large to commence with—and don't be caught unexpectedly without it. Place the "Warnol" sign of "up-to-dateness" in your window or on your counter and let it help to create new business for you.

YOUR WHOLESALER WILL SUPPLY

"Warnol"

"DAILY DRESSING" for SCALP & HAIR

(Prepared from the Quintuple Formula of London's leading West-End Hair Specialist, Mr. Warner Oliver).

In 1/- and 2/6 Sizes.

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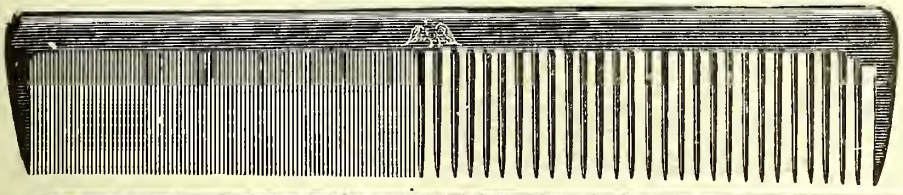

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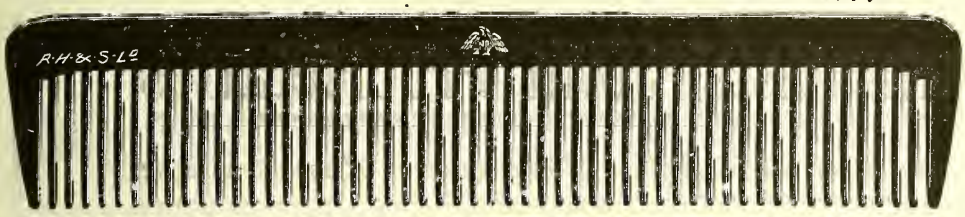

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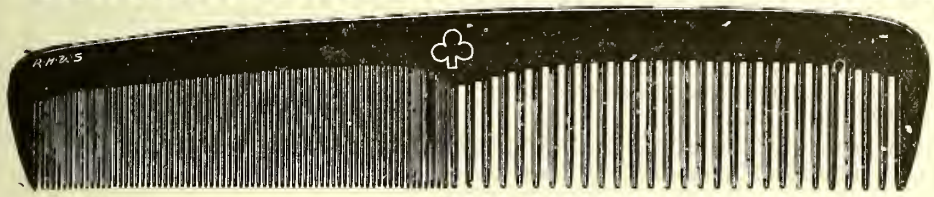

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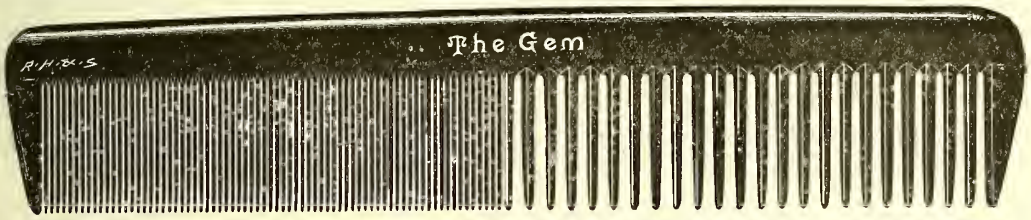

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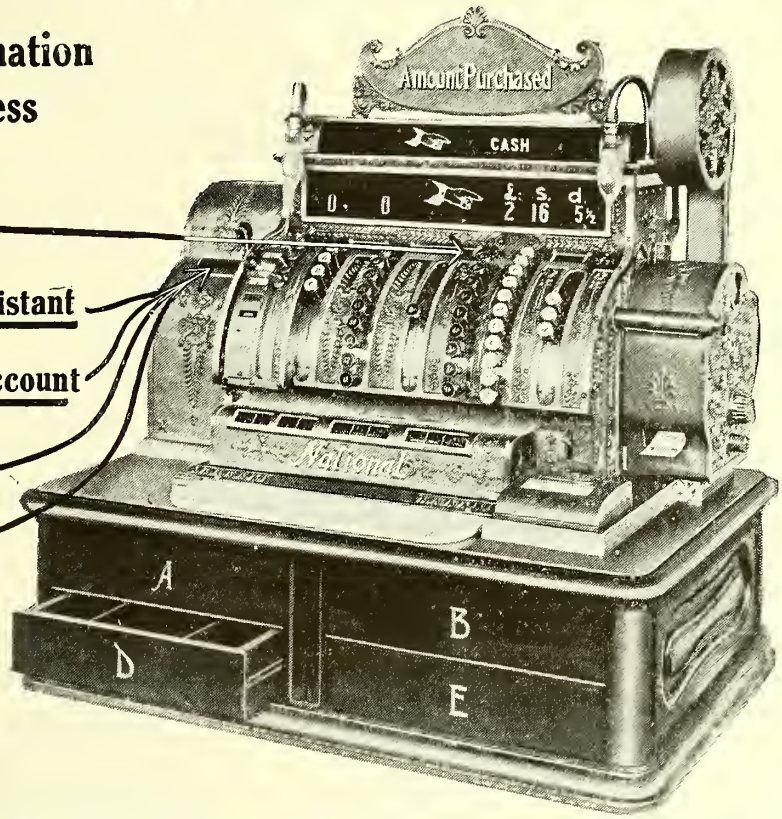

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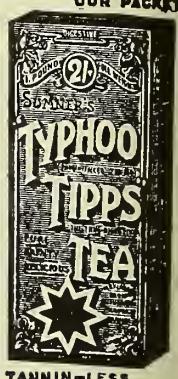

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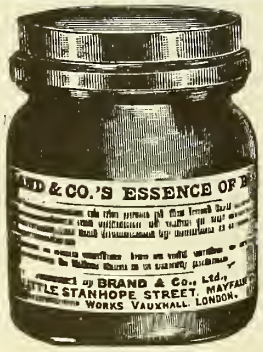

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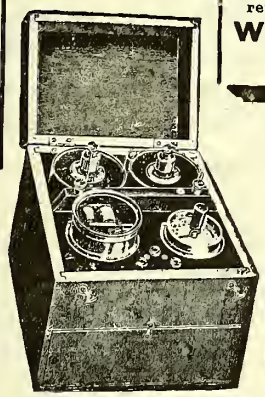

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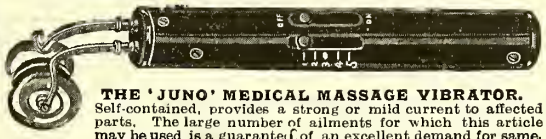

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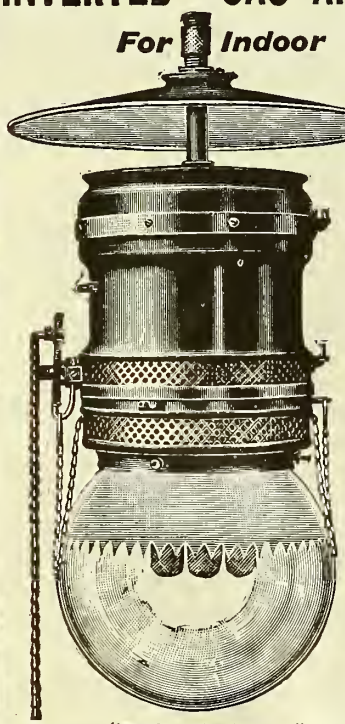

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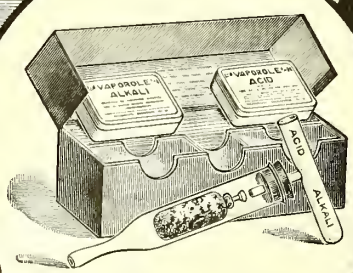

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Summary of this Issue.

The more notable items only are dealt with.

Articles and Communications.

Why do some glass measures crack or disintegrate? See p. 67.

A correspondent tells how chemists in New Zealand enjoy short shop hours (p. 67).

A German official method for detection of the methyl radicle in ethyl alcohol is described on p. 40.

Why did Mr. A. J. Balfour use the microbe metaphor in his resignation speech? The answer is on p. 51.

Particulars regarding Continental methods of ensuring that ext. filicis mari is not adulterated are given on p. 51.

Some misconceptions in regard to the sale of poisons and registration of chemists and druggists in Great Britain are dealt with on p. 50.

If George Bernard Shaw were to share the fate of Socrates, it would not be possible to standardise the hemlock, says Dr. J. C. McWalter (p. 66).

A criticism of English work and opinion on citronella-oil assay and standards is quoted from Schimmel's Report, with an addendum (pp. 51-52).

The late Professor Edward Parrish, of Philadelphia, was one of our correspondents fifty years ago, and we give an extract from one of his letters (*re* U.S.P. and P.L.) on p. 68.

The National Insurance Bill has undergone revolutionary changes this week. England, Ireland, Scotland, and Wales are each to have their own Commissioners, offices, officers, and committees independent of each other. The medical benefit is not to extend to Ireland. The position in Scotland is more favourable. Pharmaceutical deputations from these two countries were in London last week. See the first editorial article beginning on p. 48, where it will be observed Mr. Glyn-Jones is on the Chancellor's heels with a provision for local Pharmaceutical Committees. An amendment providing that employers who pay their employés in sickness need only do so for six weeks is official (p. 53). An informative discussion on dispensing tariffs is reported from Edinburgh (p. 58).

News of the Week.

More mayoral elections are reported on p. 35.

There has been further Parliamentary reference to the patent-medicine inquiry (p. 53).

The names of chemists who passed the Spectacle-makers' Company's examination are given on p. 34.

Excise inspectors are busy in Wales. Two convictions under the Medicine-stamp Acts are reported on p. 41.

British pharmacists in Italy are disturbed by a new registration regulation, of which we give particulars on p. 38.

An appeal in the "Wincarnis" and "Carvino" case has resulted in a reversal of Mr. Justice Swinfen Eady's judgment (p. 41).

Members of the B.P.C. who visit Edinburgh next year are to be made members *pro tem.* of the University Union, in whose fine club-house the meetings are to be held (p. 37).

The Winter Session reports are very numerous this week, but are mostly of a routine character. Beginning on p. 55 with a portrait and biography of Mr. W. Browne, President of the Western Chemists' Association of London, we follow with concise reports of more than a score of meetings. A rhymer provides a link between these and full reports of the Edinburgh Chemists' meeting and the Public Dispensers' Association (discussion on the position of dispensers under the Insurance Bill). The section concludes with reports of meetings of a social nature (pp. 55-59).

Trade and Market Matters.

An interesting paragraph in regard to the analysis of bark in Java will be found on p. 60.

The latest developments in regard to the operations of the German Spirit Centrale and "outsiders" will be found on p. 60.

Recent developments in the market for American turpentine show a return to more normal conditions as regards supply and prices (p. 64).

The markets show a fair amount of activity; the chief alterations include lower prices for chloroform, turpentine, and linseed oil. German refined camphor, quinine (second-hands), copper sulphate, and Japanese peppermint oil are all higher. Menthol and copaiba are firmer. Star-anise oil and lemon oil are a shade weaker. A full report of the drug auctions is given on p. 61.

B

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

The Walsall Town Council have granted a poison-licence to Messrs. D. & W. Jones, 193 Wednesbury Road, Pleck, and 165 High Street, Bloxwich.

Mr. W. H. Roberts, M.Sc., F.I.C., Liverpool, has been appointed public analyst for Barrow-in-Furness in succession to Mr. W. Collingwood Williams, B.Sc.

Penzance chemists, with one exception, have agreed to close their shops on Mondays, Tuesdays, and Wednesdays at 7 P.M., and Fridays at 1 P.M., from November 1 to March 31.

Messrs. Jonathan Hall and Henry Harold Saunders, salesmen in the employment of Messrs. George Monro, Ltd., 4 Tavistock Street, London, W.C., are applying for poison-licences to the London County Council.

The "Year-book" of the British Pharmaceutical Conference is being distributed to members this week. More care has been taken this year in giving the original sources of the various abstracts of papers—an improvement which will be appreciated by all who have occasion to trace previous work on particular subjects.

In order that British manufacturers may investigate thoroughly the trade possibilities of the Dominion, the Editor of "The Light Railway and Tramway Journal,' London, is arranging for a party to go through every province of Canada, starting in Nova Scotia and passing westward to Vancouver. The party will be conducted by a gentleman well up in Canada and Canadian matters, and will be taken next April lasting into June.

Two plays adapted for the stage from Thomas Hardy's "Wessex Tales" were played at Dorchester on Wednesday by the local Dramatic Society. This is the fourth year in succession that the dramas have been taken from this author's works, the adaptations, with the exception of one by the author himself, being made by Mr. A. H. Evans, chemist and druggist, formerly in business in High Street, Dorchester, but now of 2 St. Andrew's Pavement, Stamford Hill, London, N.

The Council of the South Essex Agricultural College have placed on record the fact "that nothing whatever has occurred to induce them to withdraw the complete confidence they have always reposed in Mr. Dunstan, the Principal of the College, to whose energy and ability the continued progress of the College is largely due." Mr. Malcolm J. R. Dunstan, M.A. Oxon., F.I.C., Principal of the College, is here referred to. He is a brother of Professor W. R. Dunstan, F.R.S., the Director of the Imperial Institute.

The Council of the London Chamber of Commerce have adopted the report of a special committee on the subject of trade misrepresentation. The committee during their investigations collected a large amount of evidence in support of the allegation that there is a growing tendency to misrepresent the nature, origin, quality, quantity, and value of goods offered for sale. The report is a document of forty-eight foolscap pages, and it is to be followed up by a request to the Government to receive a deputation from the Chamber on the subject.

The Royal Society of Arts began its 158th session on November 15, with an address from Lord Sanderson, G.C.B., the Chairman of the Council. Five meetings are announced before Christmas, at which papers will be read, among others, on "The Industrial Progress of America," by Professor James Douglas, LL.D.; and on "London Transport," by Mr. W. Yorath Lewis. Four Cantor Lectures on "The Carbonisation of Coal" will be delivered by Professor Vivian Lewes, and two Juvenile Lectures on "Soap Bubbles" will be given in January by Mr. C. V. Boys, F.R.S.

The following awards have been made by the Royal Society: Royal medals to the late Professor Chrystal, Sec. R.S.Edin. (for mathematical and physical researches) and Dr. W. M. Bayliss, F.R.S. (for physiological researches); the Copley medal to Sir George H. Darwin, K.C.B., F.R.S. (for his scientific investigations, especially in the domain of astronomical evolution); the Davy medal to Professor Henry E. Armstrong, F.R.S. (for contributions to chemical science); and the Hughes medal to Mr. C. T. R. Wilson, F.R.S. (for his work on cloud formations and their application to the study of electrical ions).

Spectacle-makers' Company.

The following candidates satisfied the examiners at the examinations held on October 31, November 1 and 2, and, subject to the approval of the Court, will be granted the Company's diploma:

S. W. Aitchison.	J. W. Huzzard.
J. C. Ardesher.	R. J. B. Jack.
W. G. Carter.	A. P. Ledsham.
G. T. Ecclestone.	J. I. Mercer.
E. J. Fear.	J. Parry Morton.
W. H. Fletcher.	E. Ockwell.
A. F. Gibson.	W. C. Purdie.
P. W. Greenfield.	A. H. Reid.
A. Grassick.	A. S. Tite.
L. Hopkins.	W. J. Underwood.
B. Hall.	F. W. Whitwell.
W. Hollands.	

Mr. Glyn-Jones on the Doctors of the Poor.

We mentioned a few weeks ago that Mr. W. S. Glyn-Jones, M.P., is addressing public meetings on the National Insurance Bill. He is engaged several nights a week in this work. On Monday evening he spoke at a meeting held in Archbishop Temple's School, Lambeth, and in the course of his speech made the following remarks:

It had been part of his duty to be in close touch with the poor, for before he went to the Bar he was a dispensing chemist. He acted as a dispenser in some of the poorest parts of London, so that he realised they did not get equality of opportunity in times of sickness. He had been in dispensaries and surgeries in London, where the poor paid a shilling a week, which entitled them to three consultations and two bottles of medicine a week. He used to make up the medicine, and knew what was in it. (Laughter.) Some of those present seemed to guess what the medicine contained. He did not want to say anything derogatory of the medical profession, for no man knew better their self-sacrificing labours, but what he did maintain was that if people only paid a doctor a shilling a week for three attendances and two bottles of medicine, no doctor could earn a decent living by such methods. . . . If a doctor contracted to take club members at 4*s*. a head and to attend them in their illness, having collected the 4*s*., he would not be over glad to see any of them afterwards. Every time a club patient went into a doctor's surgery he was a loss to the doctor, and every time the doctor gave medicine it came out of his own pocket, a diminution of his profits. It paid West-end doctors to see patients, but it did not pay the club doctor to see them. The whole system of contracting was wrong. Would an ordinary business man be willing to enter into a contract for work and material without a specification of what the work and material were to be? The club doctor got paid so much for medicine and services, but no one knew what the medicine was that he provided, and every time the cost came out of his pocket. The doctor of the wealthy patient considered only the health of his patient, and ordered the best drugs, whatever might be the cost. With regard to fifteen millions of people in this country that was now to be placed within their reach.

He went on to explain how medical benefit under the Bill is to be provided and administered, "the whole exposition being," says a chemist who was there, "an eye-opener, even to me, of what Mr. Glyn-Jones is doing out of Parliament, as well as in it, for us."

Central Drug Store for Lambeth.

The Lambeth Board of Guardians considered a report from a sub-committee who had discussed the question of providing a central store for drugs and druggists' sundries. The sub-committee stated that the annual cost of drugs, etc., used in the six establishments of the Board and the three outdoor dispensaries was approximately 1,700*l*., and that about three-quarters of such cost was incurred by the infirmary, Brook Street. Under the present *régime*, drugs and druggists' sundries were supplied by the contractors direct to the establishments and outdoor dispensaries, except in the case of two workhouses, which were supplied from the infirmary from time to time. After careful consideration of this question, the sub-committee said it would be advisable to create a central store for

drugs and druggists' sundries at the infirmary, and recommended that the half-yearly estimate for the supply of drugs and druggists' sundries required by the various establishments and outdoor dispensaries be prepared by the dispenser at the infirmary under the direction of the medical officer, that the deliveries by the contractors be made to the infirmary direct in respect of all the establishments, and that the dispenser be empowered to pass such deliveries into stock; that the chief officers of the several establishments be directed to furnish the Board with requisitions for the quantity of drugs needed to meet their requirements; and that the medical officer of the infirmary be empowered to send to the Apothecaries' Hall for analysis of drugs upon which he or the dispenser may have any doubts as to their acceptability under the terms of the contract by reason of their quality or constituents. The Board agreed to the suggestions of the sub-committee, and decided to take steps at once to inaugurate the new arrangements.

Mayoral and Municipal.

Mr. G. Woodhouse, chemist and druggist, has been appointed Deputy-Mayor of Ludlow.

Mr. J. R. Birkett, chemist and druggist, has been re-elected an Alderman of the Morecambe Town Council.

Councillor T. J. Roberts, chemist and druggist, who has been elected Mayor of Ruthin, is a Liberal and Nonconformist.

Mr. C. Pugh Roberts, chemist and druggist, Criccieth, has been returned unopposed to fill the vacancy on the Criccieth Urban Council.

Alderman Joseph Beecham, who has been again re-elected Mayor of St. Helens, is the owner of the famous Beecham's Pill business, and is a director of Messrs. A. & F. Pears, Ltd.

Alderman Sir Scott Foster, chemist and druggist, has been re-elected Mayor of Portsmouth. A portrait, with biographical details, of Sir Scott appeared in our issue of October 14 (index folio 571). This will be his fourth term of office.

Councillor William Wise, F.C.S., chemist and druggist, has been re-elected Mayor of Launceston. Mr. Wise, who has been a member of the Town Council for ten years, is an ardent botanist and a good marksman. He is a Conservative and a Churchman. His portrait appeared in the *C. & D.* for November 19, 1910 (index folio 767).

At the meeting of the Bridlington Town Council the retiring Mayor, Mr. J. V. Mainprize, chemist and druggist, was appointed Deputy-Mayor, and presented with a portrait of himself wearing the chain and robes of office. Mrs. Mainprize was also made the recipient of an inscribed fruit and flower centre. The new Mayor, Alderman C. Mainprize, is brother to the late Mayor.

Councillor George Turton Green, chemist and druggist, the new Mayor of Henley-on-Thames, is a native of Stourbridge. In 1896 he acquired the old-established business carried on by the late Mr. C. H. J. Batchelor at 41 Bell Street, removing to the present premises, at the corner of Hart Street and Duke Street, Henley, in 1908. Mr. Green is a keen sportsman, taking an active interest in local swimming and football clubs. He was elected to the Town Council in 1907, and has been chairman of various committees of the Council. Mr. Green is also interested in forestry, Freemasonry, and friendly society work. He is Hon. Treasurer of the local branch of the Hearts of Oak Friendly Society. In politics he is a Conservative.

Mr. G. T. Green.

The Parasite of Cancer.

At the Royal College of Surgeons, London, on November 14, Sir Henry T. Butlin was to have delivered the first of his two lectures on "The Parasite of Cancer," but, because of loss of voice, was unable to do so. Dr. Horace Paramore read the lecture, in which Sir Henry maintained that the cancer-cell is a new creation, an independent organism, which lives as a parasite in the body of the animal which is suffering from cancer. It most clearly resembles the protozoa—the first or lowest class of animals. At the concluding lecture on November 15 it was stated that twenty years ago it was not in the minds of pathologists that cancer should get well; to-day, however, everybody knows that it does get well, both in animals and human beings, and many are prepared to believe that it gets well much more commonly than we know of at present.

Birmingham Notes.

The "B.S.A." strike, which affects many thousands of artisans, has seriously interfered with trade in the Small Heath district and affected pharmacy in no small degree.

Pharmacy was very well represented at the Lord Mayor's select dinner-party to celebrate the inauguration of Greater Birmingham, there being not less than a good half-dozen in the drug-trade present.

Mr. W. T. Elliott, formerly in business as a chemist, but now practising dentistry in Temple Row, has been elected a vice-president of the Birmingham Microscopists and Naturalists' Union.

The note on the number of pharmacists who have taken the certificate in pharmacology, etc., of the Institute of Chemistry reminds our Birmingham correspondent of the fact that the Local Government Board accepts the Major qualification *pro tanto* as evidence of training in this particular branch.

Mr. Jeffrey Poole's name was mentioned as a probable candidate for the St. Paul's Ward, *vice* a Councillor who has been raised to the Aldermanic Bench; but it has been decided to nominate a gentleman who is a dealer in precious stones, as this is in the centre of the jewellery district.

Manchester Notes.

One chemist in South Manchester has sold during the past week over a thousand tablets of soap at 1*d.* each. On presenting a coupon and 1*d.* customers have received a 2*d.* tablet of soap.

The shop-windows in the city have already assumed a Christmassy effect, several of the large stores having big displays of fancy goods, perfumes, and brushware; while one in the suburbs has a very fine show of chest-protectors, cough-mixture, and hot-water bottles, very seasonable for the present weather.

The Lord Mayor (Mr. S. W. Royce), at the first meeting of the new Manchester City Council, moved a vote of condolence with the family of the late Alderman Gibson. In doing so he referred to the latter's characteristic energy, administrative capacity, and indomitable perseverance. The Council rose in assent to the resolution.

Contracts.

New Romney Town Council.—W. T. Bruce & Co., for sodium manganate at 1*l.* 7*s.* 6*d.* per cwt.

Twickenham Urban District Council.—Mr. A. Feather, for 240 gals. of carbolic soluble fluid at 1*s.* 2*d.* per gal. and 1 ton of Corporation powder at 5*l.* per ton.

The Lambeth Board of Guardians on November 15 received a further letter from Messrs. Corbyn, Stacey & Co., Ltd., stating that as they had in the past satisfactorily supplied the Board with drugs, etc., they ought in common justice to be informed why their tender was rejected on the last occasion. They asked that the matter might be again considered, and a reasonable answer accorded them. The Chairman (Mr. Frank Briant, L.C.C.): I again suggest that no reason be given. The Rev. W. Hobbs: Were this firm's prices the lowest?—The Chairman: Yes.—The Rev. W. Hobbs: Then I think they are entitled to a reason. (Cries of "No, no.") The Board decided not to give the firm any reason why their tender was not accepted.

Fires.

A fire on November 13 at the pharmacy of Mr. H. S. Fargher, chemist and druggist, 12 Caroline Street, Cardiff, was caused by dropping a lighted candle among some straw in the cellar, owing to a rat jumping off a shelf. The flames spread to some packing-cases, but the fire brigade quelled the outbreak before much damage had been done.

A destructive fire occurred at the Farringdon works of Messrs. H. Pontifex & Sons, Ltd., with which is incorporated the business of Messrs. Bennett, Sons & Shears, pharmacal-machinery makers. The fire, which was one of the biggest in London during the present year, lasted two hours, some forty-five engines and 200 firemen being engaged in coping with the flames. The firemen succeeded in preventing the outbreak spreading, but the building was practically gutted. The damage is stated to be about 25,000*l*. Messrs. Pontifex, who had been in occupation of the premises for over 150 years, were shortly leaving, and we are informed that arrangements have been made to carry on the business with the minimum of delay and inconvenience.

From Various Courts.

At Bradford on November 10, George Haigh (25), of Hull, was committed for trial on a charge of stealing goods, value 30*s*., from the shop of Messrs. J. Savage & Co., chemists, at 140 Lister Hills Road.

At Margate on November 8, Richard Charles Hurst, errand boy, was placed on probation for a year for stealing from his employer, Mr. V. J. Woolls, chemist and druggist, Northdown Road, Margate, a diamond and sapphire ring, value 7*l*.

At Manchester on November 9, two youths named Bent and James were remanded on a charge of entering business premises at Swinton, including those of Mr. E. Yates, chemist and druggist, 159 Chorley Road, from whose pharmacy 1*l*. 10*s*. 11*d*. in money had been stolen.

At the Nisi Prius Court, Liverpool, before Mr. Justice Lush and a jury, on November 9, William Wharton, chairman of the Thornton-le-Fylde District Council, sued James Haworth, a chemist in Thornton-le-Fylde, and chairman of the local Ratepayers' League, for slander, which was denied. After hearing evidence, the jury, on his Lordship's direction, returned a verdict for the defendant, his Lordship remarking that the plaintiff had vindicated his character from assaults which had not been made upon it.

Football.

Inter-Pharmacy League.—Westminster College F. C. *v.* South of England F.C.—This match, played at Boston Farm on November 11, resulted in a win for the Souths by four goals to three. At half-time the Westminsters led by 3-1. Soon after the interval Haslam scored the South's second goal. Play then became very fast, but no scoring resulted until nearly the end of the game, when Archer scored twice, the last goal being obtained a minute before the call of time.

Square F.C. *v.* London College F.C.—This match, on November 11, was one of the Inter-Pharmacy League series. The game was remarkably evenly contested, the Londoners causing Ashton to score a goal against his own side. After the interval Foulkes-Jones made the scores level, and in the last moments of the game Jones also put through his own goal. Thus the "Square" team had the unusual experience of scoring all the goals and losing by two goals to one. The teams were—London: Walkden, Jones, Treharne, Trayling, Parry, Ryder, Thompson, Sharpe, Naylor, Chidgley, and William. Square: Rogers, Stocks, Ashton, Maben, Hughes, Hindle, Jink, Goodfellow, Jones, Ireland, and Pratt.

The Antrim County Council has refused an application by Mr. R. F. Blake, county analyst, Belfast, for an increase of salary. The Tyrone County Council has also refused a similar application.

The London and Provincial U.R. Druggists and Drug-Stores Association sent to the Chancellor of the Exchequer on November 9 a copy of a petition recently presented to the House of Commons by Mr. Bonar Law against Clause 14 of the National Insurance Bill. The Secretary asked Mr. Lloyd George to cause such words to be inserted in Sub-section 5 (iii.) of Clause 14 "as will preserve and ensure to all members of this Association possessing the necessary three years' qualification as dispensers the right which they now enjoy of dispensing medicines under the Act to be included in the lists."

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. B. R. Allshire, late of Hamilton, Long & Co., Dublin, has opened a new medical hall at Finglas Road, Glasnevin.

Dr. Gilligan, Ballybough Road, Dublin, has been elected assistant resident medical officer and dispenser to the North Dublin Union.

At the meeting of the Dungannon Board of Guardians on November 9 a vote of censure was passed on the drug-contractors for delay in delivering goods.

Mr. W. Smith, Ph.C., of Messrs. Baxter's, Ltd., Ballymoney, has taken over as a going concern the premises hitherto carried on by Messrs. John Clarke & Co., Ltd., chemists, Donegall Square West, Belfast.

Several members of the drug-trade took a prominent part in the Grocers' and Allied Trades' Exhibition, which was held in the Ulster Hall, Belfast. The committee in charge included Mr. Saml. Gibson, J.P., Mr. Wm. Haslett (ex-President of the Chemists' and Druggists' Society of Ireland), and Mr. W. C. Dobbin, a Vice-President, who was one of the speakers at the opening ceremony. The exhibitors included Messrs. Wm. Dobbin & Co., Ltd. (Belfast), Consol Automatic Aerators, Ltd. (London), Grattan & Co. (Belfast), Liebig & Co. (London), Sutcliff & Bingham (Manchester), Khovah Specialities, and Beecham's Pills.

National Insurance Bill.

A deputation from the Pharmaceutical Society of Ireland, consisting of the Vice-President (Mr. D. M. Watson), with Dr. James A. Walsh and Mr. William F. Wells, members of the Council, attended at Westminster on Friday, November 10, in connection with the Bill, looking after the interests of the Society's licentiates.

Speaking at a meeting in connection with the Chemists' and Druggists' Society in Belfast last week, Mr. Samuel Gibson, J.P., stated that druggists had viewed with considerable concern the introduction of the Bill, and during the past six months they had been considering very carefully the position of the trade, which they took all necessary steps to safeguard by deputations to the Local Government Board and by putting pressure on M.P.s and using all the influence they had. The result was that they were successful, and the Government had intimated their intention of leaving the medical-benefit provisions out of the Bill so far as Ireland is concerned, and the druggists would be allowed to go on in future as in the past. They had their grievances still, but hoped to get them removed by legislation.

A Dispenser's Duty.

Following the recent sworn inquiry by the Local Government Board (*C. & D.*, October 21, index folio 598) into charges brought by Dr. McKenna, Ph.C., dispenser to the Donnybrook dispensary district, Dublin, against Dr. Denham, medical officer for the same district, for having prescribed overdoses of opium for two patients, the Local Government Board, after reviewing the evidence, have laid down that it is the duty of a dispenser, if he considers the amount of opium too large, to ascertain first from the prescriber whether he intended to administer the dose as stated in the prescription. Dr. McKenna apparently made no effort to communicate with Dr. Denham, and altered the prescription by reducing the opium. He omitted subsequently to draw Dr. Denham's attention to the alteration. This latter action the Board considered a grave breach of duty, and as Dr. McKenna had been guilty of a similar irregularity six years ago, and was then warned, the further case under review shows there is a lack of that harmony necessary for the interests of the poor, and the compounder should no longer be entrusted with the discharge of the duties of the Donnybrook dispensary. The Local Government Board suggest that Dr. McKenna should be transferred, and the Guardians have accordingly arranged that Dr. McKenna should exchange places with Mr. Fitzpatrick at the Irishtown dispensary.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. James Stewart, chemist and druggist, Kirkintilloch, has been elected a magistrate.

Mr. Andrew G. Laidlaw, chemist and druggist, Garnethill, Lockerbie, has been re-elected a bailie.

Mr. Wm. Smart, chemist and druggist, Buckhaven, has been elected to a seat on the local Town Council, defeating the late Councillor.

It is reported in Dundee that Boots Ltd. have secured premises on the High Street, close to Reform Street, for a branch drugs and fancy-goods store.

The Right Hon. Robert Farquharson of Finzean opened the session of the Aberdeen University Medical Society at Marischal College on November 10 with a lecture on "Improvements in Medicine during the past Fifty Years." Principal George Adam Smith presided.

Mr. G. Forbes Johnston, Broughty Ferry, has sent out to his customers an excellently produced booklet dealing with the medicines and drugs required for the winter months. It is nicely printed on one side only of the paper, with headings in pale blue ink. Mr. Johnston's interesting way of treating his subject is well instanced by the following note on glycerin and rose-water :

"As there is no standard recipe for this preparation, every maker varies the ingredients. After many repeated experiments I found that a certain percentage of glycerin combined with the finest French rose-water, the addition of an American herb, and the augmentation of an Eastern gum, gave the most favourable results."

Dundee Closing-order for Chemists' Shops.

It is understood that the Town Clerk has had a letter from the Secretary for Scotland, in which he indicates that he cannot see his way to grant the request for a closing-order in the terms submitted, but that if these were altered in certain points he might consider it favourably. The letter has been submitted to the promoters, and their reply is now waited for.

Edinburgh.

Sunday was the anniversary of the first use of chloroform by Sir J. Y. Simpson on November 12, 1847.

Mrs. R. Glode Guyer contributed a long letter to the "Evening News" this week, contending that Suffragists are not out to help "Toryism," but that they are working for the cause.

The third annual dance of the Edinburgh Pharmacy Athletic Club will be held in Victoria Halls, Leith Street, on Monday, December 4. Full particulars may be obtained from Mr. Chambers and members of the Club.

Claims against Messrs. G. H. Laird & Son, chemists and druggists, 40 Queensferry Street, Edinburgh, up to October 13, 1911, are to be lodged with Messrs. Cornillon, Craig & Thomas, S.S.C., 15 South Charlotte Street, Edinburgh.

The Professional and Civil Service Supply Association is to be converted into a company under the Companies (Consolidation) Act, 1908. At a special meeting on Monday the Chairman said they were handicapped in issuing shares, as at present the holding of any member is restricted to 200*l*.

The British Pharmaceutical Conference.

The Local Committee have been fortunate in securing for the 1912 meeting the use of the Edinburgh University Union. This building is admirably suited for the purpose, as it comprises not only an excellent debating-hall capable of holding 500 persons, but it is also furnished with dining-rooms, cloak-rooms, writing-rooms, smoking-lounges, etc.; in fact, it has every convenience of a well-appointed club. The members will thus be able to hold their meetings, have luncheon, and spend the entire day, if desired, under the same roof, and the opportunity will be unique inasmuch as the members of the Conference will be brought in contact with one another during the entire meeting. All members of the Conference who attend will be made honorary members of the Union for the week. They will thus have all the privileges belonging to membership, subject to the rules and constitution of the Union.

Glasgow and the West.

Workers in several Glasgow bottle-works are on strike for higher wages.

Mr. Robert McAdam, manager of the Glasgow Apothecaries' Co., is completing this month his fifty years in the "Old Hall."

Messrs. Cockburn & Co., Ltd., have some fine window-displays of the "Little Victor Inhalers." The show-cards are particularly effective, and there is a great demand for "Victors" all over.

At the second meeting of the fifty-fourth session of the Glasgow Geological Society, Mr. H. J. R. Connacher showed a hydro-carbon produced by natural distillation of shale oil at Dalmeny. The specimen, called elaterite, had a melting-point 110° F. Mr. J. W. Keoch showed a specimen of a native paraffin-wax (ozokerite) from Loaninghill. It was mentioned that Broxburn was lighted with candles made from ozokerite a hundred years ago.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

The Legion of Honour.—Among the promotions in the order of the Legion of Honour in connection with the recent Exhibitions at Brussels and elsewhere are included the names of M. Haller, Professor of Chemistry at the Sorbonne (Commander); M. Bellières, director of the Pharmacie Normale, Paris, and two Parisian manufacturers of pharmaceuticals, MM. Jean Faure and Maurice Leprince (officers). The newly nominated Chevaliers include three more manufacturers: MM. Girard and Vernade of Paris and Jouisse, of Orleans, also Professor Radais, of the Paris Superior School of Pharmacy, and M. Eugène Collin, the 1903 Hanbury medallist.

Proposed Codex Modifications.—The Paris Society of Pharmacy having discussed the report on the modifications which are desirable in the present Codex and submitted to the Permanent Revising Committee their propositions for new texts for acetic acid, aluminium sulphate, dry alum, ammonium iodide and valerianate, atropine sulphate, bismuth gallate, caffeine, calcium hypophosphite and mono-acid phosphate, calcium chloride, chloral hydrate, hydrochloric acid, codeine phosphate, ergotinine, oil of bergamot, ammonio-citrate of iron, ferrous oxalate, formaldhyde, crystallised guaiacol, magnesium carbonate, etc. The present monographs were based on a report drawn up by M. Camille Poulenc, who was assisted by a committee consisting of MM. Grimbert (president), Gallois, Guerbet, Legen, Eugène Thibault, and Cordier.

Treasure Trove.—All pharmacists know that the Tunisian coast is one of the happy hunting-grounds of the modern sponge diver. It was a party of these men who discovered (between Sousse and Sfax) the wreck of a Roman galley laden with objects of art. Much interest has been aroused in antiquarian circles by this remarkable "find," and M. Merlin, in a paper read at the French Institute at Paris gave a detailed description of the latest discoveries. The most important of these is a marble bas-relief representing the sacred bouquet offered to Asklepios (Esculapius) and Hygeia, who may be described as the tutelary deities ("patron saints") of the art of healing in ancient days. There seems little doubt that this and the other objects were executed by Greek artists and shipped to Rome for sale (possibly to adorn the villa of a wealthy doctor or drug-seller), when the vessel was overtaken by the storm and wrecked on the Tunisian coast.

The Chemist of the Custom-house.—M. Georges Cain—since he laid down his brush to take up the pen—is best known as the author of some charming volumes on the quaint old world corners of Paris. But his recent articles in the "Temps" take us to an essentially up-to-date feature of the French metropolis, the Central Laboratory of the Minister of Finances; and shows us Dr. Bordas in his "vast workshop where a dozen preparators of both

sexes are silently busy. Some supervise glass retorts, others dissolve enigmatical powders or stir muddy liquids." For half an hour the head of the Treasury Laboratory entertains the Director of the Carnavalet Museum with tales of smugglers' devices and their detection. His best and most novel tale, perhaps, is that of some Soapy Sam who devised a new and original method of avoiding the payment of the heavy town dues imposed on all alcohol entering Paris. He succeeded, it seems, in manufacturing cakes of soap which contained as much as 70 per cent. of alcohol. "He allowed them to dry. A coat of varnish, some lace paper, a nice label, and the alcohol passed the gates under the perfumed guise of glycerin or iris soap. Once duly delivered, it was treated in such a way that the alcohol could be reconstituted and sold." Saccharin, prohibited in France, is smuggled in hollow "books," in double-bottomed hat boxes, even under the skirts and stitched in the lingerie of fair frauders. Like the lawyer who sees so much of what is meanest in human nature, Dr. Bordas recounts with a half-indulgent smile the subterfuges to which the least creditable members of the great commercial class stoop in the hope of gain, and only becomes indignant when these subterfuges constitute a grave danger to public health. Milk adulteration, as affecting the infant population, is to his mind "the worst of crimes," a "crime against the fatherland," The yearly Massacre of the Innocents by the milk-frauders, he states, reaches the appalling total of 80,000.

INDIA AND THE EAST.

(From the "C. & D." Correspondents.)

Personal.—Mr. F. W. Clark, manager of the George Town Dispensary, Ltd., Penang, Straits Settlements, left on October 14 for Japan on a well-earned holiday of two months.

The Camp Dispensary which will accompany the King during his Indian tour is practically a miniature hospital, being exceedingly compact, yet equipped to meet all possible contingencies. Messrs. Smith, Stanistreet & Co., of Calcutta, supplied the equipment of the dispensary.

Trade-mark Conviction.—At Penang District Court on October 9, Ong Jin Ho was fined $50 and costs on two charges of selling perfume bottles with a false trade description—viz., a trade-mark of a cock and a label bearing the figures of a man and woman. The proceedings were instituted by Messrs. Schmidt, Kustermann & Co.

A Dhow on the way from Mombasa to Shimoni struck on a reef at Tiwi and sank on Sunday night, October 1. The shipwrecked voyagers, including one European passenger, Mr. W. R. Walker, had then to fight for their lives through the breakers to the shore. Two boys were drowned, and Mr. Walker was picked up on the shore by some natives in a very exhausted condition. Mr. Walker is a pharmacist, and was for many years with Messrs. John Bell & Co., 225 Oxford Street, London, W.

Opium and Morphine Licences in Bengal.—In further reference to the paragraphs in our issues of August 19 and September 16 we learn from a Calcutta correspondent that the most unfortunate feature of the new scheme is that neither the Customs nor the Excise will commit themselves as to what constitutes "a preparation of opium," so that all dealers are in the ridiculous and anomalous position of not knowing whether they may import such goods as paregoric, Dover's powder, and the like, although they have been dealing in such medicines for the past twenty years without let or hindrance. It is believed that some redistribution of licences will be effected, but probably only a dozen will be granted. When it is considered that Bengal serves at least 150,000,000 people, that number certainly seems small. In order to show the anomalies prevailing, it may be stated that a registered chemist and druggist of the United Kingdom was refused a licence to import on behalf of his firm, but that missionaries have been granted an importer's licence. So for pharmaceutical purposes it is better to be a missionary than a qualified pharmacist!

COLONIAL AND FOREIGN NEWS.

Nobel Prizes.—A message from Stockholm states that the Nobel Prize for Physics will probably be divided between Professors Wien and Planek for their researches in the radiation of temperature.

Pharmacy in Finland.—Official statistics show that there are in Finnish pharmacies (exclusive of proprietors and managers) 396 qualified assistants and 240 apprentices. The number of pharmacies in Finland is 213, with eighty-one branches.

New Pharmacy.—Mr. L. A. Howse, chemist and druggist, who has resigned his appointment with Burroughs Wellcome & Co., is on his way to Nairobi, where he is opening a new pharmacy. Mr. Howse was married just before he left.

Proprietary Medicines in Norway.—The Board of Trade are in receipt of a despatch from H.M. Consul at Christiania, in which it is pointed out that private persons in Norway are not permitted to receive patent or proprietary medicines from abroad by post. On the arrival of such parcels, which are opened at the Customs-house before delivery, the contents are stopped by the authorities. In order to comply with the law, it appears necessary for private persons desiring to import medicines for their personal use to have the parcel addressed to a resident chemist, who thus becomes responsible for the importation.

Pharmacy in Italy.—The following Royal decree has been posted in Italy:

All Physicians, Surgeons, Veterinary Surgeons, and Pharmacists who exercise or wish to exercise their professions in this province are required to present to the Prefecture not later than November 15, 1911, the following documents in order to obtain the provisional inclusion of their names in the provincial list of the respective professions: I. Obtain a Government form with 60-centime stamp. II. Certificate of residence. III. Penal certificate of a date not prior to May 15, 1911. IV. Certificate of Italian citizenship not prior to May 1911. V. Professional diploma from a university or from a school authorised to give the requisite diploma. Where it is not convenient to produce the original diploma, a certified copy by a notary public or by a university secretary will be accepted.

It is expected that, in order to meet the expenses of the above, members of the professions will be required to pay a tax of about 60f. English and other foreign pharmacists who hold the Italian qualification are finding Clause IV. a stumbling-block.

Saccharin in Egypt.—"De Indische Mercuur" of October 24 points out that while many European countries prohibit altogether the importation of saccharin and others only permit its sale under State control, no attempt at regulation of the trade in this product is, as a rule, made in extra-European countries, and it is to the increasing use of saccharin in these countries that the continuous rise in production is due. Müller has pointed out recently that saccharin is largely used in Egypt for making lemonade and is also commonly present in the beer imported for use there; while saccharin tablets have been largely imported for some years for sweetening Turkish coffee. Out of thirty-six kinds of lemonade bought from thirty-two different makers in Cairo Müller found that fourteen were sweetened entirely with saccharin, one with sugar entirely, and the remainder with a mixture of the two. Parodi, the Khedivial Government analyst, has also stated that out of twenty brands of Cairo lemonade examined by him only one was sweetened with sugar. The effect of this on the demand for saccharin may be judged from the fact that in Cairo alone 2,000,000 bottles of lemonade are used per annum, and for the preparation of this quantity about 300 kilograms of saccharin or 165,000 kilograms of sugar is needed.

The imports of drugs into Madagascar during 1910 amounted in value to 6,640*l.*, against 6,458*l.* in 1909 and 6,406*l.* in 1908: the value of the chemical imports were: 1910, 13,703*l.*; 1909, 15,987*l.*; and 1908, 20,722*l.*

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

Cape Province.

Business Change.—Mr. W. E. Crow, Ph.C., has removed his pharmacy at Sea Point, formerly situated at the Car Terminus, to more commodious premises opposite the historic round church. The pharmacy is beautifully fitted up, and is one of the best in suburban Cape Town. Mr. Crow passed the Major examination of the Pharmaceutical Society of Great Britain in 1883.

Personal.—Master Spencer B. Elgar, the three-year-old son of Mr. M. Elgar, obtained, as "Uncle Sam," the first prize to the small folk in connection with the Trafalgar Day Fancy-dress Ball, Sea Point, near Cape Town.—Mr. C. Gerrish, of Messrs. Southall Bros. & Barclay, Ltd., Birmingham, was in Cape Town when the mail left.—Mr. J. S. North, chemist, ex-President of the Pharmaceutical Society of the Cape Province, who has not been in the best of health for some time past, has been staying at Sea Point. Although he has still to use crutches, his health is better.—Mr. C. A. Kavanagh, who was for many years on the staff of Messrs. Heynes, Mathew, Ltd., Cape Town, Bloemfontein, etc., was seriously ill at Cape Town when the mail left.

Orange Free State.

O.F.S. Medical and Pharmacy Council.—The usual monthly meeting was held on October 13. Present: The President (Dr. A. B. Ward), Drs. C. H. Bidwell, J. V. Manning, and Pretorius, Mr. E. Whiteside (dental representative), and Messrs. A. Fowlie and S. S. Hewitt (pharmaceutical representatives). Mr. Hewitt acted as Secretary. Dr. de Kock, who had a motion on the agenda that the action of the Council on May 12, in confirming registrations effected by the Secretary, be reviewed, wrote stating that he was unable to be present, and asking that the motion stand over until next meeting. Dr. Bidwell pointed out that he was of opinion that, as Dr. de Kock was not a member of the Council last May, the motion was not in order. He also asked the Chairman for a decision, but the President asked that he might be allowed to suspend judgment. Letters were read from other Councils and Boards in regard to the advisability of publishing the minutes of the Medical and Pharmaceutical Conference held at Johannesburg last year. The President was of opinion that the view taken by the Natal Medical Council, that the permission of the Government should first be obtained, had much to recommend it. The following resolution was passed, on the motion of Dr. Manning, seconded by Mr. Hewitt: "That it should be suggested to the Transvaal Medical Council that the Minister of the Interior be requested to publish the minutes of the Conference or the draft Bill prepared by the Transvaal Medical Council, and to send copies to all the members of the professions concerned (namely, medical practitioners, dentists, and chemists and druggists)." A letter addressed to the President by Mr. W. B. Jeffreys (one of the pharmaceutical members of the Council), tendering his resignation, was read, and the resignation accepted.

Transvaal.

Transvaal Chemists' Athletic Association.—A whist-drive in connection with this Association was held at the residence of the President (Mr. Sanderson) on October 20. About thirty members participated in a most enjoyable evening. Mr. J. Anderson was successful in carrying off the first prize, Mr. Mills the second, and Mr. Hetherington the booby prize. Mr. Johnston, on behalf of the guests, thanked the host and hostess for their hospitality, and the committee (Messrs. Sanderson, Wheildon, Hetherington, and Cross) for promoting the whist-drive.

Johannesburg is likely to experience a "water-famine." The authorities believe that there is no prospect of immediate rains, and have stopped the supply of water for other than personal use. On the littoral, from Cape Town to north of Durban, heavy rains have been experienced, Zululand being cut off by rail for some days. In regard to the shortage of water in Johannesburg itself, there is no likelihood of going back to the old days on the Rand, when soda-water from the coast was bought for shaving-purposes and water, sold by the bucket, fetched high rates.

Pharmaceutical Society of Cape Province.

A General Meeting of the above Society was held at 65 Hout Street, Cape Town, on October 19, with the President (Mr. W. H. Froembling) in the chair. Among those present were Messrs. A. E. A. Tothill and J. Austin Thomas (Vice-Presidents), Mr. F. C. Mathew (director of Heynes, Mathew, Ltd.), Mr. Patterson (B. W. & Co.), Mr. G. R. Cleghorn (member of the Colonial Pharmacy Board), Mr. W. A. Sleggs (Hazell & Son), Messrs. H. R. Peck, C. Merry, and the Hon. Secretary (Mr. J. S. C. Harcus).

Defence Committee.—The meeting was a small one, and after the previous minutes had been read a discussion ensued regarding the "Defence Committee." The proposal of the provisional acceptance was moved by Mr. F. C. Mathew and seconded by Mr. W. A. Sleggs.

Tar Products.—Mr. Harold R. Peck then read "Some Observations on Tar Products." Mr. Peck said that he had sent the following formula for ung. rusci co. to several local chemists:

Beech-tar	30
Calamine	45
Resin ointment	120
Zinc ointment	120
Carmine	4
Liquid paraffin	15

The ointments dispensed, which were produced, different in colour and odour. Mr. Peck said he had also asked one of the best-known English chemists to make up the prescription, and curiously enough his production was different from any of the local productions. He believed the differences were due in some cases to the fact that birch-tar had been substituted for beech-tar. The carmine, which the speaker himself considered useless in the article, has been omitted in some instances. There was also the probability that the light oil of beech had been used, although this was considerably more expensive than the dark kind, and difficult to obtain in South Africa. He thought it would be well if local chemists came to some definite conclusion as to how this prescription should be dispensed, as several leading medical men were now ordering it frequently. Ol. betulæ (commonly known as beech-tar) and ol. rusci are prepared by destructive distillation of the wood and bark of *Betula alba* in Russia. Ol. fagi is obtained chiefly on the Continent, and has an odour similar to Stockholm tar. Oil of cade, which is obtained by the destructive distillation of branches and wood of *Juniperus Oxycedrus* in South France, also possesses an odour resembling that of Stockholm tar. Mr. Peck said he made colour-tests on samples of these three oils without finding them very satisfactory, but he found that on adding 5 per cent. to turpentine ol. fagi was quite soluble, ol. rusci was nearly soluble, and ol. cadi became cloudy, and on standing deposited. Mr. Peck said a prescriber had complained that the ointment had acted as an irritant. This, Mr. Peck said, was evidently due to the beech-tar containing a large proportion of creosote. The author concluded by saying that inquiries made locally elicited the information that ol fagi and ol. betulæ were the same. [Ol. rusci or ol. betulæ empyreum. is birch tar.—Ed. *C. & D.*]

CANADIAN NEWS.

(From the "C. & D." Correspondent.)

Cocaine Sale.—The law against the sale of cocaine is being enforced in Montreal. A pedlar was recently sentenced to two months' imprisonment or a fine of $100 for being in possession of and selling cocaine.

"Schlitz Fizz."—At Penticton, Mr. Louis B. De Gero, proprietor of the Penticton Mercantile Store, has been convicted of illegally supplying to an Indian named Eneas an intoxicant in the form of a so-called temperance beverage known as "Schlitz Fizz." Evidence as to the intoxication of the native was furnished by the police, and analysis showed the beverage to contain a small percentage of alcohol. The defence was that the Schlitz Fizz had been purchased from the Hudson's Bay Company under an assurance that it was a non-intoxicant, and it is commonly sold at places of refreshment in Vancouver and throughout the province. The Liquor Law does not specify any minimum percentage of alcohol in a liquor that may be sold without a licence. Notice of appeal has been given.

OUR GERMAN LETTER.

(Special Correspondence to the "C. & D.")

The German Anti-quackery Bill has now been dropped, as the Reichstag Commission has decided not to discuss it any further. It is probable that a completely altered Bill will be laid before the new Reichstag.

Trade Interests.—At the recent annual meeting of the Association for the Protection of the Interests of the German Chemical Industry the President (Privy Councillor Dr. von Boettinger) announced that a petition had been presented to the Prussian Ministry demanding that the pharmaceutical industry should be granted the right to be represented in the same way as is done in the case of the pharmacists. This request was refused without any reasons being given. He had protested against the attitude adopted by the pharmaceutical member of the Ministry of the Interior at the annual meeting of the Apotheker Verein, on the grounds that his remarks regarding pharmaceutical industry were inconsistent with his position as an impartial Government official.

Imperial Chemical Institute.—At the same meeting it was announced that the proposal to create an Imperial Chemical Institute is about to be realised. The Prussian Government has ceded the necessary property in Dahlem, near Berlin, and the erection of the building will be taken in hand at once. The Emperor William Society for the Advancement of Science, founded on the occasion of the centenary of the Berlin University, will contribute the sum of 10,000*l.* towards the cost of building and will make an annual grant of 3,000*l.* The Imperial Chemical Institute Society, specially formed by members of the chemical industry with the ultimate object of establishing a central research institute, will contribute 45,000*l.* towards the cost of the building and equipment in addition to an annual grant of 3,000*l.* The director of the institute will also occupy a chair as professor in the University of Berlin. It may be mentioned that the last-named Society has collected over 55,000*l.*, and that the costs incurred by the creation of this central chemical institute will fall entirely upon the chemical and pharmaceutical manufactures of the country.

The Pharmacist's Position in Germany, especially his professional integrity, is the subject of a series of articles by Dr. E. Seel, Corps Staff Pharmacist, recently published in one of the leading chemical journals, and they have aroused widespread interest. Dr. Seel demands that the control of all pharmaceutical preparations should be entrusted to chemical laboratories, on the ground that the present system of inspecting pharmacies is insufficient to safeguard the interests of the public. From his experience as an analytical chemist he adduces a number of instances to prove the necessity of a stricter supervision of the sale of medicines. The precarious financial position of the pharmacist, he says, particularly of the man who has paid an enormous sum for an imaginary privilege, forces him to employ every means in his power to derive the utmost profit in the exercise of his profession, and this necessity explains the substitution of other products for the prescribed protected preparations and the purchasing of factory-made galenicals in the cheapest market, without controlling their quality in respect to the pharmacopœial standards. He also atacks a number of specialities, which, although purporting to be true chemical compounds, he states are merely mixtures.

Methyl Alcohol as Alcoholic Menstruum.—The further restrictions placed in 1906 on the use of denatured spirit, and the advance in recent years of the spirit duty, has led to the use of spirit substitutes containing principally methyl alcohol. In twelve of the Federal States the use of methyl alcohol as a spirit substitute, even in external preparations, has been prohibited owing to the poisonous nature of this solvent. The Imperial Treasury has also issued a note calling attention to the increasing use of methyl alcohol, and giving instructions as to testing preparations for the presence of methyl alcohol in products presented for drawback on export. The sample, if aromatic, is shaken out with brine, and made up to original bulk. Of this 100 c.c. is taken (or 100 c.c. of the original sample if this treatment is not required) and 10 c.c distilled over. The distillate is placed in a 50-c.c. flask, to which is attached a condenser-tube (75 cm. long) bent twice at right angles and leading into a 10 c.c. measuring cylinder. The contents of the flask are now cautiously heated over a small flame (the lower end of the condenser-tube should not become warm), and the heating continued until 1 c.c. of distillate is collected. This is mixed with 4 c.c. of sulphuric acid (20 per cent.), and 1 gram of powdered potassium permanganate is added in small successive portions to the mixture, which is cooled in iced water. After shaking and the violet tinge has disappeared the mixture is carefully warmed until the red colour has gone. To 1 c.c. of this mixture and 5 c.c. of concentrated sulphuric acid are added, 5 c.c. of a fresh solution of morphine hydrochloride (0.2 gram morphine hydrochloride in 10 c.c. of concentrated sulphuric acid), gently stirring the liquid with a glass rod. The presence of methyl alcohol is indicated by a clear violet coloration within twenty minutes; in its absence the mixture is cloudy. A slight violet after a longer period is ignored. To test for acetone 1 c.c. of the first distillate is treated with 1 c.c. of ammonia solution (10 per cent.), and, after standing three hours, 1 c.c. of sodium hydrate solution (15 per cent.) and 1 c.c of sodium nitro-prusside solution (2.5 per cent.) are added. Acetone is indicated by a deep red tinge changing to violet on the careful addition of 50 per cent. acetic acid.

OUR AMERICAN LETTER.

(Special Correspondence to the "C. & D.")

Curative Claims.—In his message to Congress President Taft recommended that the Food and Drugs Act be amended to give the Government power to stop the sale of proprietary medicines for which fraudulent claims are made as to their curative properties. The Bill will receive the active support of Dr. Harvey W. Wiley. The Supreme Court in the case of the Dr. Johnson's Cancer-cure held that proprietary-medicine vendors were within the law, no matter what extravagant claims are made, provided the formula is correctly stated on the label, and it is in consequence of this interpretation of the law that amending Bills are being introduced.

Appreciation.—It is always gratifying when the pharmacists show their appreciation of the self-sacrificing work of leaders among them who devote years of labour to the cause. Charles F. Mann, of Detroit, occupied the important position of Chairman of the Executive Committee of the National Association of Retail Druggists for several years, and before that he was Treasurer and then President of the organisation. At the Niagara Falls meeting of the N.A.R.D. in September Mr. Mann withdrew from office, whereupon the members at once decided to present Mr. and Mrs. Mann with a handsome silver service. This was purchased in New York following the Convention, and has now been sent to and received by the Manns. The speeches and letters of presentation, as well as the letter in response written by Mr. Mann, are among the pleasant records of the last few months.

Germans in the States.—A unique organisation in the U.S.A. is the German Apothecaries' Society—the Deutsche Apotheker Verein. The Verein was organised exactly sixty years ago, at a time when the political revolutionaries of Germany were flocking to the United States in droves, and when men like Carl Schurz sought there a future home. The German apothecaries were a well-educated and scientifically inclined group of men, and it was naturally to be expected that they would seek one another's society and companionship. When the Verein was formed in 1851 there were only twenty-five members, but this number rapidly grew, and for many years the membership has represented something like 300 German-Americans. Recently the Society has been celebrating its sixtieth anniversary. At one of the historical celebrations—a "fest-kommers"—several outside guests were present, including Professor Joseph P. Remington and Dr. John Uri Lloyd.

A.D.S.—For a long time all had been sweet harmony within the American Druggists' Syndicate—the organisation of eight or ten thousand druggists which was to be the Moses leading the retail drug-trade out of the valley of poor profits. Several months ago, however, a rift appeared in the lute, and this seems to be widening as time goes on. The Chicago Wholesale Drug Co., one of the branches of the A.D.S., seceded, with the result that a great deal of acrimony developed. More recently the Chicago Retail Druggists' Association, the most powerful city society in the United States, has been brought into the fight, and a lot of bad feeling was generated at the recent Niagara Falls meeting of the N.A.R.D. because Mr. Goddard, of the A.D.S., endeavoured to run a special train from Chicago in competition with the train arranged for by the C.R.D.A. people. The officers of the last-named organisation declare that Goddard wants to split the C.R.D.A. for his own political purposes in order that he may get sufficient strength to elect a "ticket" of his own at the N.A.R.D. Convention. For several years Mr. Goddard has been charged with endeavouring to dominate the elections at the N.A.R.D. conventions. This year, however, his candidate for the presidency was defeated.

LEGAL REPORTS.

TRADE LAW.

Canvasser and Chemist.—At the Clerkenwell County Court, before Judge Edge, on November 10, a claim was made by Wm. Rees Howell, bookseller, 42 Theobald's Road, W.C., against Mr. E. J. Bevan, public analyst for Middlesex, 4 New Court, Lincoln's Inn, W.C., for 3*l.* in respect of ten volumes of "Cassell's Encyclopædia." The order, signed by defendant, was put in, but Mr. Bevan explained that when the lady canvasser called upon him she asked him to buy "Cassell's Encyclopædia." He did not want it, and told her so. Then the lady said, "I shall be having No. 1 in to-morrow. Shall I send it round for you to look at?" "Being only too glad to get rid of her," continued Mr. Bevan, "I said 'Yes.' Then she said, 'Just write your name down here.' I saw it was an order form, and said, 'You quite understand, I am not giving an order?' The canvasser replied, 'That is perfectly understood.'" The lady canvasser, on oath, said she did not say anything as to its not being an order. His Honour held that the transaction was a legal order, and gave judgment for plaintiff, with costs.

Unstamped Medicines.—At Hengoed (Glam.) on November 10, Oliver John Gordon Owen, traveller, Penydarren, Merthyr Tydfil, was summoned at the instance of the Commissioners of Customs and Excise for selling dutiable medicines unstamped. Mr. Beattie, of the Customs and Excise Solicitors' Department, prosecuted, and stated that defendant carried on business as the Scottish Remedy Co. at Merthyr Tydfil. The business was an extensive one, it being stated on the packet of a certain remedy that 2,000,000 of the powders were disposed of last year. Mr. F. P. Charles, for defendant, described the case as a trivial one, and he was surprised to see the Government department sending down a big battalion of officers. It was like using a sledge-hammer to crack a nut. The Magistrates, however, thought a technical offence had been committed, and imposed a fine of 1*l.* and costs.—At Tredegar on November 14, Ernest Hulbert, Church Street, Tredegar, was summoned for exposing medicine for sale without a licence on September 27. He was further summoned for selling dutiable ointment unstamped. Mr. Beattie prosecuted. Mr. A. T. Crowther, Excise officer, deposed to purchasing in defendant's shop a box of ointment called "Eli Trefynon," the great Welsh remedy for all skin-diseases. Defendant pleaded acting in ignorance. A fine of 20*s.* and court fees was imposed.

Workmen's Compensation Act.—In the *C. & D.*, 1910, II., 853, we reported the case of Warner *v.* Couchman, heard by the Court of Appeal, in which a journeyman baker, who had his right hand and arm frost-bitten while going the rounds with his employer's cart, was refused compensation on the ground that it was not an accident arising out of his employment. The case was carried to the House of Lords, who gave their decision on November 10, dismissing the appeal. The Lord Chancellor said, in the course of his judgment (referring to the County Court Judge's remark about injury being caused by "an accident"), that it was a lapse of language to speak of "*an* accident": the Act deals with "injury *by* accident arising out of and in the course of employment."—The House of Lords, on November 13, had another interesting case under the Act, which was an appeal from an interlocutor of the Second Division of the Court of Session, Edinburgh, in Morgan *v.* William Dixon, Ltd. Morgan, the employé, desired to have his own medical man present when he was examined by the qualified practitioner provided under Section 4 of the first Schedule and paid for by the employer. William Dixon, Ltd., refused to accede to his request, and had contended in the Sheriff's Court that the appellant had refused to submit himself for examination, so that his application for compensation should be sisted. The Sheriff and the Court of Session sustained this plea. Now the House of Lords (Lord Shaw of Dunfermline dissenting) agreed, the Lord Chancellor remarking that the real question was whether, apart from special circumstances, there is an absolute right in the workman to insist on the presence of his own medical adviser, and in his opinion there was no such absolute right.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

Saccharin Corporation's Patents.

In the Chancery Division on Tuesday and Wednesday of this week, Mr. Justice Neville had before him an action by the Saccharin Corporation to restrain a Mrs. Kolker, of Hoxton, from selling or dealing in saccharin alleged to have been manufactured in infringement of their patents, or some of them.

Mr. Colefax, for plaintiffs, stated that the saccharin in question was part of a parcel alleged to have been imported into this country in 1904, and in respect of which Mrs. Kolker was, in a King's Bench Division, claiming to be the assignee.

Dr. F. W. Passmore stated that he had no doubt whatever the saccharin in dispute was manufactured in infringement of plaintiffs' patents of 1898.

Mrs. Kolker, who appeared in person and could not speak English, had the assistance of an interpreter, but said she did not desire to ask questions or go into the witness-box. She wished the Court to read an affidavit she had sworn.

His Lordship said he could not accept affidavit evidence at that trial.

Mr. Colefax said plaintiffs' patent would lapse next year if not extended.

His Lordship granted an injunction restraining an infringement of plaintiffs' 1898 patent, with an account as to profits in lieu of damages.

"Health for Cocoa."

In the Chancery Division on November 10, before Mr. Justice Swinfen Eady, Mr. A. J. Walter, K.C., said he had a motion on behalf of Sandow, Ltd., to remove a trade-mark, "Health for Cocoa," from the Register of Trade-marks. Mr. F. Russell, K.C., who appeared for Henry Thorne & Co., Ltd., the owners of the trade-mark, had also a motion in an action for alleged infringement of the trade-mark, and he (Mr. Walter) thought both motions should stand till the trial of the actions.

Mr. Russell said his clients had commenced an action for infringement of three trade-marks, in respect of one of which they were proceeding against Sandow, Ltd. He agreed that the motions should stand till the trial.

His Lordship accordingly allowed the motions to stand till the actions were heard.

"Wincarnis" and "Carvino."

In the Court of Appeal, before the Master of the Rolls and Lords Justices Fletcher Moulton and Farwell on November 10, the case of Coleman & Co., Ltd., *v.* Stephen Smith & Co., Ltd., was heard upon cross appeals by the defendants and plaintiffs from a judgment of Mr. Justice Swinfen Eady in the Chancery Division (*C. & D.*, July 15, index folio 78).

In this case the plaintiffs brought the action for an injunction to restrain the defendants from selling, offering for sale, or procuring to be sold their medicated wine "Carvino," or any medicated wine or similar preparation in bottles so got up or contrived with wrappers, labels, or otherwise as to constitute colourable imitation of the get-up of the bottles in which the plaintiffs' "Wincarnis" preparation is sold. Plaintiffs also by motion asked that the Register of Trade-marks might be rectified by removing the word "Carvino." Mr. Justice Swinfen Eady thought that the defendants' preparation was so got up as to be calculated to deceive, and that there was an intention by the defendants to deceive, and he granted the injunction and the further relief which the plaintiffs asked, and ordered the defendants to pay the costs. With regard to the application to remove the trade-mark "Carvino" from the register, his Lordship said upon the evidence he was unable to come to the conclusion that the word "Carvino" alone was calculated to deceive without reference to get-up, and that the bottles and labels might be so totally altered that no reasonable person would be deceived by the mere use of the trade-mark "Carvino." But his Lordship suggested that if defendants were desirous of avoiding all imitations of the plaintiffs' goods, and not rendering themselves liable to further litigation, they would adopt another get-up and take some other word. His Lordship, however, in the circumstances refused the motion, with costs, except that the applicants must pay those of the Registrar.

Mr. A. J. Walter, K.C., and Mr. Kerly appeared for the appellants (the defendants); and Mr. Buckmaster, K.C., M.P., and Mr. Sebastian for the plaintiffs.

Mr. Walter was addressing the Court on Friday when it adjourned, and on Monday he continued the reading of the evidence given in the Court below. He also read the judgment of Mr. Justice Swinfen Eady, and asked their Lordships to hold that the plaintiffs had not proved that the defendants had tried to pass off their goods as the plaintiffs', and that there was no evidence to justify the judgment of the learned Judge.

Mr. Kerly followed on the same side.

Mr. Buckmaster, on behalf of the plaintiffs, said the first question which their Lordships had to determine was whether the two articles so closely resembled one another as to render the possibility of the one being bought and sold for the other. Their Lordships were the judges of that. He submitted that if they looked at the two bottles of the respective parties side by side, not critically, but as an ordinary—not blind—purchaser would do, they would answer that question in the affirmative. Mr. Justice Swinfen Eady had come to that conclusion, and he submitted he was right. Continuing, the learned counsel submitted that the evidence given on behalf of the plaintiffs proved that the plaintiffs' "get-up" was well known to the public and the trade, and that if the bottles of the respective parties were placed side by side the bottle of the one was liable to be mistaken for that of the other.

Lord Justice Moulton said that "Wincarnis" was well known throughout the length and breadth of the land, and no one would for a moment suppose that "Wincarnis" had taken a new name.

Mr. Buckmaster said that might be so, but the general get-up was so similar that people would be inclined to come to the conclusion that the two articles were the same. Anybody having the two bottles in his hands, unless he looked at them closely, could easily be mistaken. He submitted that what the defendants had done was likely to cause confusion.

On Tuesday Mr. Buckmaster continued his address on behalf of the respondents, and without calling upon counsel for the appellants to reply.

The Master of the Rolls said the defendants appealed from a judgment of Mr. Justice Swinfen Eady, who had granted the plaintiffs an injunction in the usual form in a passing-off action. He thought that the principles of law applicable in cases of that kind were now beyond dispute. Lord Halsbury had laid it down that the whole question in these cases was whether the thing taken in its entirety, looked at as such, by a person of reasonable comprehension and reasonable eyesight might be deceived. The plaintiffs were the proprietors of the well-known article extensively advertised and sold as Wincarnis. They had used various labels from time to time that described their goods. There was no fault to be found with the plaintiffs upon that account. Plaintiffs had sold Wincarnis in champagne bottles for many years. It was proved beyond doubt, and it was not questioned by Mr. Buckmaster, that that was common to the trade. Plaintiffs took no objection upon that account. Practically all makers of that class of goods got them up in pink paper and champagne bottles. That was common to the trade. Mr. Buckmaster had tried to get the Court to say that if the labels were taken off the bottles the one bottle looked like the other. That, however, was not the point, because what they had to do was to look at the bottles with the labels on. His Lordship having read the labels upon the respective bottles of the parties, said he had to ask himself whether it was possible for anybody, following the directions of Lord Halsbury, which he said should be applied in these cases, taking the thing in its entirety, could, looking at the whole thing as a reasonable person with proper eyesight would look at it, be deceived? He (the Master of the Rolls) came to the conclusion that that question must undoubtedly be answered in the negative. He had read the evidence, and he found that there was not a scintilla of evidence that any human being had, in fact, being deceived by the label, although the sale under the Carvino label had been going on for some nine months, and going on to a very considerable extent. In these circumstances he thought it would be altogether wrong, in the absence of evidence of actual deceit, for the Court to hold as a matter of conditional inference that the things were so much alike that they were calculated to deceive. He could not so hold. The Comptroller of Trade-marks had decided that the word "Carvino" was not calculated to deceive, in spite of the opposition of the Wincarnis people, and therefore that there was no impropriety of the defendants putting the word "Carvino" on the bottle. Mr. Justice Swinfen Eady had taken a view of the case which he (the Master of the Rolls), with the greatest respect, was quite unable to follow. It was true, as the learned Judge had found, that the defendants for a considerable time sold the same article under the name of Keystone Beef-wine, but for reasons which seemed to him (the Master of the Rolls) satisfactory reasons defendants desired to change the name, being of opinion that the sale of the stuff might be more effective under a different name. His Lordship then referred to the contract which the defendants had with the Liebig Co., and of the latter's approval of the defendants using the word "Lemco" upon their labels. That the defendants did in 1906, using a new label upon which they put the name "Lemco" in a prominent place. In doing that, said his Lordship, the defendants did that which they were entitled to do. He certainly saw no ground for treating the adoption of that label as any indication of fraud on the part of the defendants with reference to the Wincarnis people. But assuming that the Wincarnis people could in 1906 have complained of the Lemco label, they did nothing of the kind. It afterwards occurred to the appellants that they might get the decision of the Registrar of Trade-marks that the word "Carvino" as a trade-mark was not calculated to deceive. Defendants afterwards put on their labels the word "Carvino" instead of the word "Lemco." His Lordship found that the word "Carvino" was a new name for the article which was described by the old labels as "Lemco." He therefore declined to hold that there was any evidence of fraud or anything which justified the imputation of fraud by reason of the adoption by the defendants of the word "Carvino." He was extremely reluctant to differ from the learned Judge, who had had the advantage of seeing the witnesses in the box, but it appeared that the learned Judge had formed a very unfavourable opinion indeed of Mr. King, the principal witness for the defendants, who in 1906, through a clerk, had attempted to secure registration of the word "Lemcarnis" as applied to the goods in question. That application was withdrawn, and the applicants had to pay the costs of the Registrar. He (the Master of the Rolls) could not see that that application had any relevancy to the present case. They were not there to consider whether what was done was a breach of contract between the appellants and the public. He did not think that the remarks of Mr. Justice Swinfen Eady as to the conduct of Mr. King were justified. He thought that the appeal must be allowed and judgment entered for the defendants, with the costs of the action and of the appeal, and the plaintiffs' cross-appeal with respect to the registration of the word "Carvino" would be dismissed, with costs.

The Lords Justices delivered judgment to the same effect.

Sale of Food and Drugs Acts.

Ginger.

At the Blackburn Police Court on November 10, Richard Ramsbottom was summoned under Section 6 of the 1875 Act for selling ground ginger which contained 12 per cent. of chalk. Mr. Overton, defendant's solicitor, produced a warranty given to defendant when he purchased the ginger, and the man from whom he purchased the article also had a warranty. On this ground the case was dismissed.

BANKRUPTCY REPORT.

Re Owen Prickett, Llantrisant, Glam., chemist and druggist.—The public examination of this debtor took place at the County Court Buildings, Pontypridd, before Mr. Registrar James E. Spickett, on November 14. In reply to Mr. Ellis Owen, the Official Receiver, he repeated the particulars given in the *C. & D.*, November 11, adding that he was a chemist's assistant for some time at Cowbridge, then he managed a chemist's shop for a Mr. Llewellyn at Llantrisant, and in 1897 bought the business

for 100*l.*, this amount being paid in the course of two years by instalments, by borrowing from his father. The banking account was opened in his father's name, but it was debtor's business. His father paid him wages until he (debtor) qualified, and the business would then be handed over entirely to debtor. In 1903 he was desirous of qualifying as a chemist and druggist, and proceeded to Edinburgh, staying there twenty-one months. During this time money was advanced him by his father. When he returned in 1905 he was qualified, but during the time he was at Edinburgh he got married, without the knowledge of his people. After his return an arrangement was come to with his father whereby the business was transferred to him, he (debtor) to take over all outstanding debts. Debtor also opened a banking account, his father transferring the existing balance in his name to debtor's bank book. When he took over the business on October 10, 1905, the liabilities were about 323*l.*, while the stock was worth about 150*l.*, so that he was insolvent to the extent of about 170*l.* He still continued to trade, however, and gave his father a promissory note for 213*l.*, to be repaid as stated in the last report. In 1909 an agreement was entered into with his father and brother by which a sum was to be advanced him to pay some of his debts, etc. Debtor was not then supposed to order any goods personally over the counter, everything had to be approved of in these other quarters. This system was kept on for six months, but he (debtor) then found it was useless for him to submit the orders to them for approval. None of the creditors had been under the impression that his father and brother were partners with him, and the business had always been conducted in his name. He kept no cash-book or creditors' ledger, only a day-book, and never made out a balance sheet. He averaged his profits at about 25 per cent., and estimated his takings up to June this year at about 8*l.* weekly. The sales went down because he had not stock. The examination was closed.

GAZETTE.

Partnerships Dissolved.

Hamilton, Dr. J. B., and Mathias, Dr. C. D., Tenby, physicians and surgeons under the style of Drs. Hamilton & Mathias.

Menzies, J., and Garrett, T. C., Worksop, physicians and surgeons, under the style of Menzies & Garrett.

Smythe, E. R. & R. H., Redruth, veterinary surgeons, under the style of Smythe & Smythe.

The Bankruptcy Acts, 1883 and 1890.

Receiving Orders.

Holloway, Samuel Frederick, The Avenue, Bedford Park, Middlesex, medical practitioner.

Mill, William, Brooklands, Upholland, Wigan, surgeon.

Adjudication.

Cran, James, Townfield House, Great Harwood, near Blackburn, doctor of medicine.

WILLS PROVEN.

Mr. John Hardy, Bourton-on-the-Water, Glos., chemist and druggist, who died October 4, left estate valued at 2,902*l.* 14*s.* 3*d.* gross, with net personalty 1,495*l.* 4*s.* 3*d.*

Mr. William Adpar Jones, of 60 Riggindale Road, Streatham, S.W., formerly of Dartmouth Park Avenue, Highgate Road, N., late a director of Idris & Co., Ltd., who died on August 27, left estate of the gross value of 2,493*l.*, with net personalty of 850*l.*

Mr. Albert Cooper, Ph.C., F.C.S., 80 Gloucester Road, South Kensington, S.W., who died August 19, aged seventy, left estate of the gross value of 11,378*l.* 3*s.* 10*d.*, of which the net personalty has been sworn at 6,632*l.* 10*s.* 7*d.* Probate of his will has been granted to his sons, Mr. Albert John Bullen Cooper, chemist, and Mr. Henry Creemer Cooper, surgeon-dentist, both of 80 Gloucester Road, S.W. The testator left 1,000 ordinary shares of Cooper Son & Co., Ltd., to his son Henry Creemer Cooper, and all other of his shares in that company to his son Albert John Bullen Cooper. The residue of his property he left as to one-third to each of his said two sons and one-third upon trust for his daughter, Eleanor Maud Oke Bliss and her issue.

The imports of chemical products into Austria-Hungary during 1910 amounted in value to 2,316,200*l.*, or 48,200*l.* more than in 1910. Similar goods exported reached 833,000*l.* in 1910, against 697,000*l.* in 1909.

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

Fitchetts, Ltd. (P.C.).—Capital 4,000*l.* Objects: To take over the business of a dry-soap manufacturer carried on by E. P. Fitchett at the Soap-works, 137-139 Pershore Street, Birmingham, which is the registered office.

Glasgow Eye Infirmary (the word "Limited" is omitted from the title by licence of the Board of Trade).—Registered in Edinburgh as a company limited by guarantee, with 100 members, each liable for 1*l.* in the event of winding up. Objects as indicated by the title.

Miss Bond, Ltd. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of toilet specialists, etc., and to adopt an agreement with Charlotte Bond, Church Cottage, 30 Lodge Place, St. John's Wood, N.W., who is first permanent director. R.O., 7 Vigo Street, Regent Street, W.

Lavex, Ltd. (P.C.).—Capital 2,000*l.* Objects: To take over the business of a company of the same name incorporated in 1909, to carry on the business of soap-powder and soap manufacturers, and to adopt an agreement with A. F. Smith. The first directors are A. F. Smith, T. B. Giffen, and M. Coats. R.O., 70 High Street, Lambeth, S.E.

Mendit, Ltd.—Capital 500*l.* Objects: To carry on the business of manufacturers of and dealers in an adhesive known as "Mendit" and of and in fluids, pills, tablets, powders, inks, hair-wash, health-salt, loose drugs, chemists' sundries, etc. The first directors are A. S. Wright, S. H. Holaway, and J. F. Holaway. Qualification, fifty shares. R.O., 25A Aston Church Road, Nechells, Birmingham.

Company News.

Canal Chemical Co. (Nottingham), Ltd.—Report of liquidator (Mr. D. McNish) at meeting to be held at 1 Pepper Street, Nottingham, on December 22, at 3 p.m.

Taylor's Drug Co., Ltd.—The report of the directors for the year ended June 30, 1911, show net profit for the year of 7,515*l.* 18*s.* 2*d.* and a balance from last year of 705*l.* 7*s.* 8*d.* Of the total, it is proposed to carry 1,879*l.* to reserve, in accordance with the terms of the trust-deed for the debenture-holders, to pay 6 per cent. dividend on the preference shares, absorbing 2,322*l.* 2*s.* 4*d.*, 10 per cent. on ordinary shares, amounting to 3,000*l.*, and to carry forward 1,020*l.* 3*s.* 6*d.* The figures show an improvement on last year, when the net profit was 3,893*l.* 17*s.* 4*d.* A valuation of plant and fixtures shows an increase of 5,800*l.* 6*s.*, which amount, less charges, has been placed to special reserve account. The amount due to sundry creditors has also been reduced from 30,017*l.* 12*s.* 2*d.* to 28,187*l.* 15*s.* 3*d.*, while the reserve account now stands at 17,815*l.* 5*s.* 9*d.* The assets include 121,053*l.* 13*s.* 4*d.* for freehold and leasehold properties, plant and fixtures, and stock, 66,970*l.* 1*s.*

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

Mr. S. R. Garner, chemist and druggist, 66 Kennington Park Road, London, S.E., has sold his business to Messrs. Matthews & Co.

Mr. F. B. Kirby, Ph.C., has purchased the business of the late Mr. R. S. Farrer, chemist and druggist, Gloucester Road, Bristol.

Mr. S. C. Thompson, Ph.C., late of Northam, Devon, has purchased the business of Stewart's Cash Pharmacy at 62 Staines Road, Hounslow.

Mr. T. R. Owles, chemist and druggist, has recently purchased the business of Mr. A. W. Summerfield at 198 Rye Lane, Peckham, London, S.E.

The West Kent Drug Co., Ltd., Tonbridge, have acquired the old-established business of Messrs. Vinson & Co., 8 Middle Row and Bank Street, Maidstone.

Mr. C. E. Sage, F.I.C., Ph.C., has taken additional premises at 10 London Street, Fenchurch Street, London, E.C., to which all communications should be addressed.

Boots, Ltd., have acquired premises in a prominent position in the Strand, Torquay. These are more extensive than the pharmacy which the company acquired last April from the late Mr. Young. It is rumoured that it is intended to have a café in connection with the Strand branch.

BIRTHS.

Scott.—At The Medical Hall, Kilkee, co. Clare, on November 2, the wife of Thomas C. Scott, Ph.C., of a son.

Scott.—At The Pharmacy, Trafalgar Road, Greystones, co. Wicklow, on November 2, the wife of James Ernest Scott, Ph.C., of a daughter.

Smith.—At "Spero," Milnwood Road, Horsham, on November 8, the wife of Mr. Harold Saunders Smith, chemist and druggist, of a daughter.

MARRIAGES.

Howse—Waldby.—At East Finchley Congregational Church, on November 1, Leonard A. Howse, chemist and druggist, to Lucinda Waldby.

Maw—Kenrick.—At the Parish Church, Bletchingley, on November 9, by the Rev. George Trentham Maw, Rector of East Barnet, brother of the bridegroom, assisted by the Rev. Prebendary Fraser, of Chichester, and the Rev. A. H. De Fontaine, Rector of Bletchingley, Arthur Trentham Maw, Ph.C. (of Messrs. S. Maw, Son & Sons), youngest son of the late Mr. Charles Maw, of Holmesdale, Nutfield, Surrey, to Margaret, fifth daughter of Mr. Jarvis Kenrick, of Pendell, Bletchingley, Surrey.

Ray—Druitt.—At the Grosvenor Hall, Rathgar, co. Dublin, on November 9, John Armstedt Ray, B.A., Ph.C., proprietor of the Nassau Street Pharmacy, Dublin, to Anna Georgina, daughter of the late Mr. Thomas Druitt and Mrs. Druitt, Terenure.

Spear—Roper.—At the Parish Church of Saint Andrew, Plymouth, on November 8, by the Rev. James Case, M.A., Frederick Augustus Spear, chemist and druggist, second son of Mr. W. S. Spear, J.P., Plymouth, to Eliza Broadhead (Lyllie), third daughter of Mr. W. I. Roper, chemist and druggist, Plymouth.

Twedily—Hamilton.—At Bowie Cottage, Stranraer, on November 9, by the Rev. James Salmond, Ivy Place U.F. Church, Alexander Twedily, chemist and druggist, Shawlands, Glasgow, to Jessie McCulloch, daughter of the late Mr. David Hamilton and Mrs. Hamilton, Bowie Cottage, Stranraer.

DEATHS.

Ferrier.—At 69 Southesk Street, Brechin, on November 8, Anne Marr Cruickshank, the wife of Mr. Walter M. Ferrier, chemist and druggist, 4 St. David Street, Brechin.

Fletcher.—At Acre House, near Llangollen, on November 6, Mary, wife of Mr. Samuel Fletcher, chemist and druggist, 33 Parker Lane, Burnley.

Keene.—At Peckham, London, S.E., on November 9, Emma Louisa, widow of the Rev. J. Pacey Keene, LL.B., Rector of Farleigh Castle, Somerset, and mother of Mr. J. L. Keene, of Southall Bros. & Barclay, Ltd., Birmingham, aged seventy-four.

Mitchell.—At 6 Park Place, Ancrum Road, Lochee, on November 8, Constance Ruthven, daughter of Mr. Peter Mitchell, chemist and druggist, aged eight months.

Rowland.—At Birkenhead, on November 6, Mrs. Rowland, widow of the late Mr. William Rowland, aged seventy-five. Mrs. Rowland, after the death of her husband, carried on the business of Messrs. Rowland & Co., chemists, High Street, Wrexham. Eventually the business was taken over by Councillor L. B. Rowland, and Mrs. Rowland then retired to Colwyn Bay. Of her other two sons Mr. Sydney C. Rowland is a chemist and druggist.

At the annual meeting of Wrexham Town Council on November 9 the retiring Mayor (Dr. S. Edwards Jones) proposed a vote of condolence with Councillor Leonard B. Rowland on the death of his mother, and said it was an extraordinary coincidence that forty-two years to that day Mrs. Rowland became Mayoress of Wrexham. Her husband occupied the civic chair with much ability, and he felt sure that all of them deeply sympathised with Councillor Rowland in his bereavement. The motion was carried in silence.

Smith.—At the Copnor Pharmacy, Copnor, Portsmouth, on November 14, suddenly, of pneumonia, Mr. Joseph Smith, chemist and druggist, aged fifty-eight. Mr. Smith was in business for some time at Cleveland Road, Southsea, and only recently removed to Copnor.

Standring—At Nairobi, B.E.A., on October 14, Mr. A. E. Standring, chemist, Government Road, Nairobi. He was returning home late in the evening when he became unconscious and died within a few feet of his front door. Death was due to the bursting of a blood-vessel in the brain. Mr. Standring leaves a widow. He had recently been registered by the Pharmacy Board of the Protectorate, and had secured the services of Mr. Bertram A. Bull, Ph.C., formerly of Leicester (see index folio 736).

Turner.—On November 7, Mrs. A. M. Turner, widow of Mr. W. M. Turner, chemist and druggist, of St. Ives, Hunts, aged seventy-seven.

Turner.—On November 13, Miss Esther Turner, dispenser at St. Anne's Home, Bridlington, aged thirty-seven.

Udale.—At Ellastone, Dawley Road, Harlington, Hounslow, Marguerite Florence (Ita), only child of Mr. G. W. Udale, Ph.C., Chairman of the Public Pharmacists' and Dispensers' Association, aged seven.

Wilson.—At 28 Dalkeith Road, Edinburgh, on November 19, Mr. Peter Wilson, chemist, 11A Causewayside. Mr. Wilson served his pharmaceutical apprenticeship with his father in Nicolson Street, and passed the Minor examination in December 1878. About fifteen years ago he started on his own account at 11A Causewayside. He had been in indifferent health for some time, but returned from a seaside summer holiday feeling better. Unfortunately, the improvement was only temporary. Mr. Wilson leaves a widow and one child. His brother, Dr. Lyon Wilson, is a medical practitioner.

POISONING FATALITIES.

Nine fatalities, including one misadventure, have been chronicled during the week as due to poisoning.

Carbolic Acid.—Harold Pontefract was found dying at Dewsbury from carbolic-acid poisoning. His clothes were saturated with this fluid.—At Aberdeen, George Brand swallowed some carbolic acid by mistake with fatal consequences.

Oxalic Acid.—Joseph Hamblett (38), tradesman, Reddish, committed suicide by taking this poison.—The same poison caused the suicidal death of Chas. Fredk. Hakeman (56), cabdriver, Holloway.

Prussic Acid.—At Hoylake, Horace Oswald Pearson, cotton salesman, Liverpool, poisoned himself with prussic acid.—At Darlington, Bertram Imeson died from prussic-acid poisoning. At the inquest Mr. Benjamin Millar, chemist and druggist, of Victoria Road, Darlington, deposed that deceased had on five occasions bought poison from him for the purpose of killing dogs, and witness had given warnings in regard to its dangerous nature. The Coroner, after examining the poison register, pointed out that only in one instance was there entered the name of a witness for the sale of the poison. The jury said they desired to express a strong opinion that greater care should be used by tradesmen in selling poisons. The Coroner: This recommendation will strengthen the hands of the authorities should they decide upon a prosecution in this case.

Spirit of Salt poisoning was responsible for the self-inflicted death of Wm. Dockrell (54), labourer, whom gout prevented from working for some years.—Isabella Dodds Melber (32), South Bank, also killed herself by taking spirit of salt. Mr. T. Cooper Clegg, chemist and druggist, South Bank, Yorks, deposed at the inquest that he did not remember selling the deceased the acid. He sold a large quantity at various times for cleaning purposes. An ounce of it would be sufficient to kill anyone. The bottle produced had held 8 oz.

Kind Not Stated.—At Hull, Margaret Mitchell (57) ended her life by intentionally taking an ammoniacal liniment.

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TRADE NOTES.

The New Cocoa which Mr. Eugen Sandow, Elephant and Castle, London, S.E., has introduced appeals to chemists, for reasons which are concisely set forth in an announcement in this issue.

Berkefeld Filters for Royalty.—The P. & O. steamer *Medina*, which is carrying the King and Queen to India, has been fitted with "Berkefeld" pressure filters for the purification of the drinking-water on the voyage.

Glidine and its compounds (bromoglidine, iodoglidine, ferro-glidine, luesan, and arsan) obtained, Messrs. Menley & James, Ltd., Farringdon Road, E.C., inform us, the Grand Prix at the International Exhibition of Hygiene held at Dresden.

Daisy Calendars.—Daisy, Ltd., Mammoth Works, Leeds, are offering free to chemists with orders for Daisy powders a supply of wall calendars for distribution to customers. The calendars are artistic productions, sure to be appreciated by the recipients, and chemists should write for samples and particulars.

Agencies.—Messrs. Francis Newbery & Sons, Ltd., 27 and 28 Charterhouse Square, London, E.C., have been appointed sole distributing agents for the products of the Knowlton Danderine Co. (Danderine, Danderine soap and massage cream) and the Sterling Remedy Co. (Cascarets, No-to-bac, and Hobb's Sparagus pills).

Attractive Advertising.—Messrs. Lewis & Burrows, Ltd., are sending to their retail customers a beautifully produced price-list of toilet requisites. Each page consists of a tinted under-tone print bearing in black particulars of one toilet preparation. At the top corner of each page is a portrait of a pretty woman or child. As these are all different and attractive, the recipient cannot help turning over the pages, and so is attained the first object of the publication.

"La Reine d'Egypte," the perfume which has recently been introduced by the Erasmic Co., Ltd., Warrington, makes an attractive and moderate-priced Christmas line. It is put up in a quaint-shaped stoppered bottle, the stopper being secured by a cover of pale brown silk, and the label is of Egyptian design printed in colours and gold. The bottle is enclosed in a nice case with gold edging, and a better half-crown's worth it would be difficult to produce. That is the P.A.T.A. price. The perfume is being well advertised to the public.

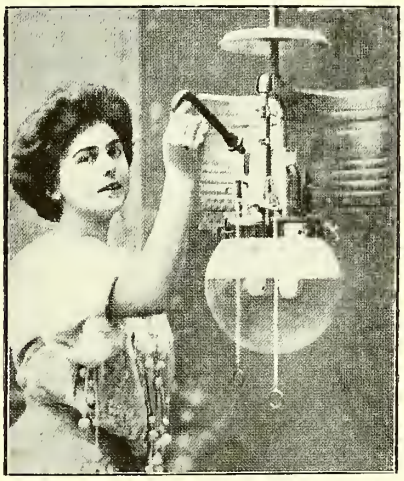
"Aponal" is the name of a new hypnotic which has been brought out by Messrs. Zimmer & Co., and is put on the market in this country by Messrs. Widenmann, Broicher & Co., 33 Lime Street, London, E.C. Aponal is amylene carbamate. Amylene hydrate has hypnotic properties but an objectionable taste, and aponal has the advantage of possessing a pleasant taste and is more active. It is given in doses of 15 to 30 grains, and is specially indicated in the slighter forms of insomnia. Aponal is sent out in crystal form and in tablets.

Educating the Public.—The National Cash Register Co., Ltd., Tottenham Court Road, London, W.C., is already famous for its window-displays. The latest is to educate the public as to how a cash register is worked and to ask for a receipt, a shop-counter with two assistants serving lady customers being placed in the company's magnificent corner window in Tottenham Court Road. The success of the novel idea is best judged by the big crowd around the windows. The police on the first day had to remonstrate with the company for blocking the pathway. Topical notices made in charcoal on white sheets in accordance with the actions of the supposed transactions add fuel to the continued interest aroused by the display.

Christmas Perfumery.—Among the old favourites and specialities in perfumery which Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool and London, are offering at present for Christmas trade is Karu, or Japanese Water Lily, a delicate yet exquisitely fragrant perfume, of that persistent character which may best be described as a pleasurable reminiscence. It is put up in 2½-oz. round glass bottles with cut-glass stoppers at 25*s*. per dozen, and in fancy oblong cases with gilt-edged labels at 33*s*. per dozen. The case is very attractive. This makes an acceptable Christmas present. The Liverpool and London houses of the company carry a wide range of other perfumes at prices varying from 8*s*. 6*d*. to 70*s*. per dozen, all suited for the season's demands.

Dr. Bow's Liniment.—In referring to this old-established preparation in our issue of October 28, we mentioned the B.P.C. effort to imitate it, and remarked: "A distinction of this kind is excellent evidence of the value of a preparation, but carries with it the disadvantage to the proprietors and the public that the imitation is the same as the original—a supposition which the makers insistently repudiate." The manufacturers wish it to be distinctly understood that no imitations are the same as "Dr. Bow's Liniment," nor can any preparation made according to any published formula be sold under the name of "Dr. Bow's Liniment" or supplied when "Dr. Bow's Liniment" is asked for. Otherwise the sellers would be liable to be proceeded against by the makers of the genuine liniment.

The "Block Light."—Modern trade conditions call for plentiful illumination, and incandescent gas-lighting of the inverted type has proved both efficient and economical. The lamp of the Block Lights Co., Ltd., Milk Street,



Manchester, which we depict here, shows a further advance in economical lighting. The principal feature is that all parts of the burner are easily accessible without the necessity of removing the mantles, the latter not being suspended on the burner as is usual. In consequence, all parts can be removed for cleaning, repair, or renewal after releasing a spring-catch fastening the cover.

"Pharmaceutical Formulas."

A new edition (the eighth) of this popular book of recipes for chemists and druggists has just been published. It contains a great deal of new matter and new formulas, extending to over a thousand pages. It can be obtained at the *C. & D.* Office, 42 Cannon Street, London, E.C., for 10*s*., by post 10*s*. 6*d*., or from any of the wholesale houses at the published price. "Xrayser II.," writing about the book, says: "I sometimes wonder what we used to do before its first appearance thirteen years ago."

Boots and Signs in Chester.—Before Mr. Justice Neville at the High Court, London, on November 16, an action with witnesses was commenced by Boots Cash Chemists (Western), Ltd., against Mr. T. C. Johnson and Mr. Hugh Rittiart, tailors, Chester, and others regarding the use of overhead signs in Chester. At the end of the day the hearing had not been completed.

Madagascar Produce.—The exports of beeswax from Madagascar during 1910 amounted in value to 6,640*l*., against 6,458*l*. in 1909 and 6,406*l*. in 1908; of vanilla, the exports amounted in value to 50,847*l*., against 47,639*l*. in 1909 and 41,748*l*. in 1908: of cloves, the exports amounted in value to 3,753*l*. in 1910, 4,366*l*. in 1909, and 8,072*l*. in 1908.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

Alderman J. Edgar, J.P., the new Mayor of Deal, is not, we are informed, connected with Edgar's Croup Lotion.

Sir T. B. Crosby, M.D., Lord Mayor of London, is to be installed as Master of the Society of Apothecaries next Wednesday.

Alderman D. T. Evans, chemist and druggist, High Street, Margate, has been appointed a representative of the Corporation on the Isle of Thanet Joint Hospital Board.

Mr. S. Edwards, J.P., chemist and druggist, High Street, Godalming, has been elected a member of the committee of the newly formed Commercial Association for Godalming, Farncombe, and district.

Mr. J. Stanley White, Ph.C., who has been at the South of England College of Pharmacy as a demonstrator, is joining the literary staff of Messrs. Parke, Davis & Co., Beak Street, Regent Street, London, W.

Mr. Rickman J. Godlee, F.R.C.S. (a nephew of Lord Lister), has been appointed President of the Royal College of Surgeons of England, in succession to Sir Henry T. Butler, who has retired in consequence of poor health.

Dr. William Heaton Hamer, 55 Dartmouth Park Hill, Kentish Town, N.W., has been unanimously appointed medical officer of health and school medical officer for the County of London at a commencing salary of 1,250*l.* per annum. He was twelfth Wrangler at Cambridge in 1882, and in 1887 graduated as M.B. and in 1890 as M.D. at Cambridge; he is also M.R.C.S. England and F.R.C.P. London, a D.P.H. Cambs., and B.Sc. Lond. He is the author of a manual on hygiene, and has specialised in bacteriology and other subjects relative to public health.

Practical Notes and Formulae.

Preserving Furs and Woollen Goods.

Professor G. Guérin, Nancy, recommends powdered thymol for preserving furs and woollen goods from moth. The powder is sprinkled on the garments, which are then wrapped in paper and placed in closed boxes. Thymol has the advantage of being an antiseptic and deodoriser.

Henna as a Hair-dye.

M. Joulin, of the Paris Municipal Laboratory, has made a study of henna as a hair-dye. He states that it penetrates the hair integrally, as will be found if hairs thus dyed are cut into short lengths and examined under a microscope. Henna is one of the oldest toilet-drugs known, the Bible recording its use by the women of Israel. In modern oriental countries the fresh leaves are crushed and used to smear the nails; it is also used to ward off mosquitos. The manes and tails of the Shah's horses are dyed with henna; but it is principally known as a dye for human hair. In Algeria, where the plant grows wild, the women steep pounded henna in hot water, and make a sort of plaster, which they place on their heads. The time required to produce the desired effect varies largely according to the fineness of the hair and the tint desired. If imprudently employed, it produces that rich "carrotty" hue which is more conspicuous than artistic. This gradually fades into a magnificent golden hue, but the process being a slow one, the vanity of the would-be "fair one with the golden locks" is apt to be severely tried during the interval. The colouring principle contained in the interior of the leaves becomes insoluble, and fixes itself in the hair. It oxidises on contact with water. Henna occurs in the form of the dry bruised leaves commercially, and this takes five or six hours to produce its effect, a long and weary wait which dissuades many from its use.

The imports of drugs, chemicals, etc., into Swinemünde in 1910 amounted to 149 tons, against 106 tons in 1909.

Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS LONDON."
Telephone No.: BANK 852 (two lines).

INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries received since our last issue:

232/50. "Agarone."
233/432. "Glycolax."
233/433. "Cyclolax."
232/43. "Ursoloxin."
230/6. "Jappo" perfume
233/430. "Hydro" mustard.
234/3. "Venian" toilet-soap.
232/47. "Snyman's Dressings."
233/434. "Liniment Try This."
232/11. Sea tangle rods (surgical).
230/5. "Rose d'Orsai" perfume.
233/12. "G. Dorey Hair-restorer."
231/46. Dentaseptic" tooth-brushes.
231/2. "Cayertnesi" silk suspenders.
231/46. "Blanche's Infants' Syringes."
233/43. "Baron Defreres Brilliantine."
235/37. "Royal Tampon" nasal inhaler.
233/431. "Elmer Shirley's Nasal Tablet."
231/14. "Night Bloom" toilet-preparations.
232/57. "Saxolite" (to mix with witch hazel).
234/55. Carboys of coloured glass (no liquid required).
231/47. E. Bentley & Sons, medicine-chest manufacturers, address.

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to where the following articles can be obtained, and in many cases we have given the actual makers. The information will be repeated to any other inquirers who send to this Department a stamped and addressed envelope for the purpose.

"Bromo-Adonis," London supply, 231/10.
Calcium perborate, 232/73.
Celluloid and bone discs for screwing on drawers, etc., 226/10.
Collargol, 231/12.
Cotton-seed oil (Bermuda inquiry), 222/650.
Creme Mealy's, 231/1.
"Cyona" preparations 233/59.
Denver Chemical Co. (London address), 227/8.
"Ep-a-tol," 229/34.
"Florozon" sprayer, 228/40.
Furnival's washing fluid 223/553.
"Griffin" toilet-soaps, 233/43.
Glyco-benphene, 231/53.
"Hydroleine," 226/37.
"Iodolysin," 230/73.
Linseed oil, raw (Bermuda inquiry), 222/65.
McClinton's soaps, 230/74.
Mackenzie's Oro nasal-inhaler, 231/4.
Perolin, 231/20.
"Olympic brand suspenders, 231/2.
Peroxide of hydrogen (English makers), 228/42.
"Rozone" oxygen tooth-powder, 224/53.
"Sargol," 228/72.
"Satin" soap, 233/44.
Sea-rods and tackle, 225/24.
Spirit of turpentine (Bermuda inquiry), 222/651.
Stephenson's "Duco," 233/430.
"Stopit" Toothache-cure, 234/3.
"Syrup Colæ Co.," 224/34.
Ticket-writers, 232/72.
Tins for filling with metal polishes, 227/57.
Trypan-blau, makers and agents, 228/73.
"Ung. Schweissinger," 222/13.
Vasinol atomizers, 226/44.
Vibrators (various kinds), 231/2.
Wicker-covered bottles (actual makers), 227/27.

PRACTICAL RESULTS.

From Manufacturers of Dairy Specialities:

"I beg to tender you my best thanks for referring the inquiry of Messrs. ——— ——— to me, and to inform you that it resulted in their placing the order they had for rennet-tablets with me." (200/46.)

From a Firm of Manufacturing Chemists:

"We thank you for your letter of the 23rd inst., and have already received an order from the firm named, and have to thank you for your courtesy in putting us in touch with them." (204/73.)

"We thank you for information supplied. It has enabled us to obtain all we require." (232/7.)

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

"The Drug-habit,"

as the immoderate use of certain drugs has come to be called, for lack of a better name, appears to be much more prevalent in some other countries than our own. It is perfectly true that there are numerous *habitués* of sulphonal and other hypnotics, who have become victims through the medicinal, and no doubt perfectly legitimate, use of these drugs to relieve sleeplessness, and who have gradually come to regard them as indispensable. There is also a certain proportion of morphiomaniacs and cocaine fiends for whom life has no attraction apart from their favourite narcotic, and possibly the number of these may be greater than most of us think possible. Even so, we are, I am fairly certain, nothing like so much addicted to these drugs as are, for example, the Americans. In the United States it is a penal offence to send morphine or cocaine through the mails to any save physicians or qualified dealers in these drugs, so deeply has the curse bitten into the conscience of the nation. Are we prepared for such a drastic step as this? I think not. On the other hand, all habit-forming drugs of the hypnotic class might quite well be listed as poisons in Part I. of the schedule, which would go far to reduce the thoughtless use of them, and surely not one pharmacist would complain of the extra precautions necessary in the sale of these goods. As a class we want to keep our hands perfectly clean, and any regulations adopted for the good of the community will find nowhere a warmer welcome than in British pharmacy.

The Demand for Ointments

is still large, but the character of the ointments called for in recent years has changed very markedly. Looking back to my own apprentice days I can recall some half-dozen ointments for which we had a constant sale. The favourites were zinc, resin, sulphur, blue, red and white precipitate, and citrine ointments. In the list given in Messrs. Guyer and Ewing's extremely interesting and valuable paper, white precipitate is much more popular than red: the reverse was the case with us. I am surprised at the absence of blue ointment from the Edinburgh list. How can we account for the rise in the popularity of boric ointment at the expense of others? Mainly, I believe, because of its germicidal and antiseptic properties. I have added up the total figures in the list given last week, and approximately out of 3,000 sales 2,000 consist of ointments more or less strongly antiseptic. The altered ideas of medical men as to the nature of disease, skin-troubles especially, is well seen in a comparison of thirty years ago and to-day. Then, a suppurating sore would be treated with resin ointment to "draw" it, or with zinc ointment to dry it up. To-day it is treated with boric ointment to kill off the microbes. The empiricism of centuries proved that mercury and its salts had exactly similar properties, and they were valued accordingly in certain classes of disease, though no one suspected the reason why. We know now why some ointments are so much more effective than others, and there ought to be no difficulty in producing compound ointments which, by combining healing agents with germicides, would be much more useful than the simple ointments of the B.P.

A Drug-store Proprietor

accused me in your correspondence columns the other week of having asked in an impertinent manner a pertinent question as to the "rights" under the Insurance Bill of the body to which he belongs. As a matter of fact, I did not ask any question, impertinently or otherwise. I was honestly in doubt, and said so, as to what "rights" of unregistered dealers in drugs were threatened by the Bill. I am still in doubt, but can now say positively that they have no such rights as they appear to claim. The Bill provides for the supply and dispensing of medicines to insured persons, and nobody who is legally disqualified from dispensing poisons can have a right to share in this employment. Every prescription does not contain poison, but a vast number do, and although in their private businesses drug-store men may pick and choose out of all that are brought to them such only as they are competent to deal with, they could not do so as public dispensers. They are therefore

Necessarily Excluded from the Bill

Indeed, it is clear from your report of the interview between the Drug-store deputation and the Attorney-General that this is virtually admitted by the Association itself, for its members ask to be put on the Register of the Pharmaceutical Society as a qualification for the work. I will not borrow the word "impertinent" from your correspondent to characterise this demand, because I prefer to retain it as far as possible for use in its primary etymological sense, which would be inappropriate here; the word that occurs to me is, I must confess, "impudent." Why should these men be admitted to the Register without examination any more than we? The case of those who were so admitted in 1868 because they had actually been in business as chemists and druggists before the passing of the Act, is absolutely different in principle from that of those who now claim admission; a new monopoly, though only a very small one, was then really being set up, but it is absurd to say it is so now. One wonders how many of these old chemists and druggists are to be found in the drug-store ranks to-day, and why they did not get on the Register before, seeing it was easy enough to do so. They must surely be a few and feeble folk by this time, but I hope they have sufficient vitality left to resent being spoken of in the proposed new amendment as having been in the drug-trade "without possessing any knowledge" of it. Mr. Glyn-Jones will no doubt deal in the House of Commons with the fallacies put forward by this deputation, if the guillotine, that parliamentary "fury with the abhorred shears," does not again interpose.

Window-dressing

is one of the few subjects upon which I have no definite opinions. I do not think there is any rule of universal application with regard to it, and upon the whole I am inclined to say that there are as many ways of dressing a window as there are windows to be dressed. Much depends upon the neighbourhood and the style of business; a "good window" is sometimes a white elephant, and I have known it turn a man's hair prematurely grey. Personally, I do not care to see a window crowded with goods, and I think most chemists scatter the interest too much. The public, as a rule, will not stop to look into a pharmacist's window unless it presents some really salient feature; it is not as if we dealt in hats, or "costumes," or other things of engrossing and perennial interest. What attraction to the casual passer is there in a row of bottles of cod-liver oil or quinine-wine? Such displays always remind me of what I once heard a sprightly young lady say to her mother as they came out of church: "What a lot of nonsense the man talked!" she said. "Who wants to go to heaven for the sake of seeing Abraham? I wouldn't go ten yards to see him." A window may be a useful place to put one's surplus stock in (though I don't think it is), but as an attraction it must surely be a failure unless it shows some novelty, or something of peculiar interest. How far this is possible in our business without obscuring our true vocation I am not prepared to say; it would seem to be a business in itself, and I am not an expert. It is, however, without doubt, possible to a greater extent than some of us realise. I once caused a local boom in eucalyptus preparations by displaying some pretty eucalyptus-plants in my window, with a few appropriate articles round them. But I doubt whether sensational window-dressing really pays; to be distinctive without being "loud" is, I fancy, the happy mean in this as in most matters.

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Editorial Articles.

National Insurance Bill.

This measure is passing through the Committees of the House of Commons very rapidly, considering the enormous amount of detail embodied in it, the voluminous amendments, the interests involved, and the well-organised criticism led by Mr. Worthington Evans. The failure to get representation of pharmacy on the Advisory and Health Committees is regrettable, but may be remedied through Mr. Glyn-Jones's proposal to institute

Local Pharmaceutical Committees

as reported in the *C. & D.* of October 28. We repeat the terms of the clause, which has now become a more hopeful proposition :

(1) A local pharmaceutical committee shall be formed in the area of each county and county borough consisting of persons engaged in the dispensing of medicines and the supply of appliances to insured persons in each county or county borough.

(2) The number of members of each pharmaceutical committee, the mode of election and the period of service of such members of such committee shall be determined by the Insurance Commissioners.

(3) The local pharmaceutical committee shall act as an advisory committee to the local Health Committee on all matters affecting the arrangements with persons, firms, or corporate bodies to dispense medicines and to supply the necessary appliances for the medical treatment of insured persons, and shall discharge such other duties and exercise such power as shall be determined by the Insurance Commissioners.

The terms of this clause are similar to the one instituting local medical committees, which several members have proposed, and which the Chancellor is accepting. On Monday he gave notice of a new clause respecting these medical committees, whereupon Mr. Glyn-Jones gave notice of the following addition to the Chancellor's clause :

"and where a local pharmaceutical committee has been formed for any county or county borough, and the Insurance Commissioners are satisfied that such committee is representative of the persons, firms, and corporate bodies carrying on business as chemists and druggists in the county or county borough, they shall recognise such committee; and where a local pharmaceutical committee has been so recognised it shall, subject to regulations made by the Insurance Commissioners, be consulted by the local Health Committee on all general questions affecting the supply of drugs and dispensing of medicines to insured persons, and shall perform such other duties and shall exercise such powers as may be determined by the Insurance Commissioners."

Mr. Cathcart Wason and Mr. Cooper also propose the addition. It is not beyond the range of possibility that the Chancellor will accept the addition, and any influence which chemists individually can use to further this should be used promptly.

No Medical Benefit in Ireland.

Towards the end of last week it became known that a revolutionary change in the application of the Bill to Ireland was to be proposed as the result of negotiations between the Irish Party and other representatives and the Government authorities with a view to getting the provisions of Clause 59 modified. The result is that the Chancellor gave notice last week of amendments

providing for the appointment of Irish Insurance Commissioners, with a central office in Dublin, and other national administrative provisions. His amendments included one to leave out Sub-section 7 of the clause, which provides for the administration of medical benefit, and in its place to put the following provision :

"An insured person in Ireland shall not be entitled to medical benefit under this Part of this Act, and the provisions with respect to medical benefit shall not apply;

"Provided that medical benefit for an insured person being a member of an approved society shall be deemed to be included among the additional benefits specified in Part II. of the Fourth Schedule to this Act."

A deputation from the Council of the Pharmaceutical Society of Ireland, consisting of Mr. D. M. Watson (Vice-President), Dr. J. A. Walsh and Mr. W. F. Wells (past-Presidents), came to London on November 10 to interview those in authority, in order to ensure that, if medical benefit is given under the second paragraph of the new sub-section, the compounding and dispensing of medicines should be conducted under Pharmacy Acts conditions. The deputation saw Mr. J. C. R. Lardner, M.P. for North Monaghan and Secretary to the Irish Party, who assured them that there was no necessity for an amendment of this nature, because no medical benefit is to be given in Ireland, whatever may be done under the second paragraph. The deputation had assurances from other quarters that the Bill will involve no change in the present practice of medicine and pharmacy in Ireland. So far as organisation and administration of the Bill in Ireland is concerned, it will be separate from Great Britain. Clause 59 and the Chancellor's amendments were discussed on Tuesday and Wednesday, and adopted. The Whips of the Irish Parliamentary Party issued an official statement in the lobbies on Wednesday evening showing the various effective amendments which had been introduced in the Bill through their instrumentality. In this they say :

"All the benefits given in England will be given in Ireland except medical benefit. The feeling in Ireland seems to be against paving for this while the present dispensary service exists. The creation of a second service for the same people in the majority of cases, it was felt, would stand in the way of Poor-law reform, which must soon be undertaken. Moreover, the benefit as it will exist in England is only for the insured persons, which would leave the wives and children still dependent upon the dispensary service. Should the fund permit it, medical benefit for the insured and their families can be made an additional benefit."

Separate Administration for Scotland.

The Scottish Office and certain Scottish members have been in negotiation with the Chancellor's representatives with a view to getting Clause 58 (application to Scotland) amended, and at the end of last week it leaked out that Scotland also was to have autonomy. The Chancellor gave notice on November 10 of his amendments to Clause 58 providing for Scottish Insurance Commissioners, with a central office in Edinburgh and branch offices throughout Scotland, these Commissioners being entirely independent of the Insurance Commissioners in London, they and their officers having like powers and duties to those of the Commissioners and officers who are to work on the south side of the Border. The whole of the moneys paid by insured persons in Scotland will be dealt with by the Scottish Commissioners, and all the benefit for Scotland will be administered in Scotland by the Scottish organisation. The effect of this, so far as medical benefit is concerned, is that doctors and pharmacists in Scotland will be able to fight out in their own territory their own battle without prejudicing their southern *confrères*. It is well known that medical practice and pharmaceutical business in Scotland differ greatly from the corresponding pursuits in England and Wales, and Scottish pharmacists have from the advent of the Bill insisted that the provisions as to medical benefit will be greatly to their disadvantage, as they appear to have been framed with a view to satisfying English requirements and not with regard to Scottish conditions. Clause 14 as amended does not give the same satisfaction in Scotland that it does in the South, and we have already stated that the legislative difficulty is to get amendments which will give satisfaction in Scotland without jeopardising the interests of those south of the Border. The devolution should assist towards this. One of the new sub-sections (6) provides for the suspension by local Health Committees in sparse districts of any of the benefits, and this may include medical benefit. Consideration of the amendments occupied the whole of the time allotted to the Bill in the House of Commons on Monday evening, and the debate was a clearer revelation than has previously been given of the present-day method of legislation. This has been particularly prominent in connection with this Bill—*i.e.*, parties interested in particular clauses of the Bill thrash out their objections with the Chancellor of the Exchequer's lieutenants in private and come to a basis of agreement for amendments to the Bill as introduced, and these are put forward either by the Chancellor or by the Parliamentary representatives of the objectors. In the case of Clause 58 some twenty-four members of Parliament representing Scottish constituencies have for weeks been in touch with Lord Pentland, and as a result the amendments proposed by the Chancellor were put by him. It seemed probable that certain proposals of the local authorities in Scotland would be prejudicial to the interests of chemists, and accordingly a deputation consisting of Mr. W. L. Currie (Vice-President of the Pharmaceutical Society), Mr. David Gilmour (member of Council), Mr. J. P. Gilmour (Chairman of the North British Branch), and Mr. J. Rutherford Hill (Assistant-Secretary in Scotland), came to London at the end of last week, and waited upon Dr. Mackenzie and Mr. P. J. G. Rose, Private Secretary to the Secretary of State (Lord Pentland), at the Scottish Office and discussed with them the rumoured proposals, which were not taken up by the Government, whose amendments were adopted on Monday, when Mr. Lloyd George told the House very plainly that the decentralisation was not suggested by him—he prefers the original scheme ; and he added that he could not refuse

A Separate Organisation for Wales.

This, as a matter of fact, is being provided in a new clause proposed by Sir Herbert Roberts and other Welsh members, which embodies similar devolutionary provisions for Wales as have been adopted for Scotland and Ireland. The Government has since adopted these proposals, so that there will be four sets of Insurance Commissioners—one for England, a second for Ireland, a third for Scotland, and a fourth for Wales—each country having also its own sets of offices and officers, and all the money paid in each country by employers and employés will be retained there for the benefit of the insured persons, the Government grant coming from the National Exchequer. The Government proposes to appoint a Central Committee consisting of representatives from each set of commissioners, so as to deal with matters common to all. Other particulars regarding the progress of the Bill are given in our Parliamentary columns.

Some Misconceptions.

We reported last week an inquest held at Great Baddow, Essex, regarding the death from cyanide-of-potassium poisoning of a parlourmaid, and in the course of the

inquiry evidence was given by the manager of the drug-stores at Chelmsford, where the poison was purchased. Several interesting points arose during his examination. The manager produced two poison-books which went back to September 1910, previous ones having been destroyed; whereupon the Coroner suggested that there is every reason for keeping poison-books, and he thought they never ought to be destroyed. There is no law upon this point, but we agree with the Coroner that it is inadvisable for chemists to destroy poison-books until they are at least five years of age. There is no obligation upon chemists to keep them for even this period, but it is a commonly recognised period for the destruction of writings of secondary importance in business. It was also stated in evidence that the order for the poison came in by letter, and that as a rule such orders are treated as signatures and are pinned into the book. The Coroner stated that this does not accord with the provisions of the Act of Parliament, and in this he is correct. The practice no doubt exists, and is probably traceable to the requirement of the Arsenic Act that in the sale of arsenic by wholesale to retail dealers the orders must be in writing; but this does not extend to the Pharmacy Acts, and the execution by retail of orders for any Part I. poisons received by post is illegal unless the purchaser signs the poison-book in the presence of the seller. Another point in the case arose from the Coroner's remark to the witness, who is a Minor man, that he was not on the Register. Whereupon the witness made the following statement:

"I believe they remove the name off if you do not pay a guinea a year subscription; but I do not think that alters the registration, after passing the examination. He added that he did not know his name had been taken off the register, as he had never received notice to that effect. There were scores of qualified men who did not pay the guinea a year."

Probably the witness had in his mind the not uncommon idea that it is necessary to be a member of the Pharmaceutical Society and pay a guinea a year in order to have one's name kept on the Register. It is not so, and there is no obligation on any registered chemist to become a member of the Society in order to keep his name on the Register of Chemists and Druggists. "Chemist and Druggist" and "A.P.S." were before 1898 considered to be interchangeable terms, and no statutory offence was involved; but since "A.P.S." has given way to "M.P.S." users come within a penal section of the 1852 Act, and a guinea a year is the Society's charge. But that is quite distinct from registration as a chemist and druggist; for that there is no annual fee, the fees paid before examination being for examination and registration. It is the Registrar's duty to make any change of address which may be necessary in consequence of a registered person removing. That, in our experience, the Registrar does most willingly and, of course, without fee, and no name is ever removed from the Register until two letters sent by registered post to the address last given by the registered person are returned through the Dead-letter Office. It is equally the duty of registered persons to notify changes of address to the Registrar, who is not authorised to make any change unless on the representation of the registered person himself. A postcard serves the purpose, but it is better to notify the change by letter.

National Medicine.

There are only a few points of direct interest to chemists in Part I. of the Annual Report of the Local Government Board for 1910-11, which has just been issued. One matter is that during the year 1909-10 Poor-law authorities spent 953,849*l.* on medical relief, 691,070*l.* on indoor paupers, and 262,779*l.* on outdoor paupers. This amount includes the salaries and fees of Poor-law medical officers and dispensers and the cost of medical and surgical appliances and drugs paid for by Poor-law authorities. The amount spent on drugs is not separately noted, but in the case of the Metropolis, it appears that during 1910 the cost of medicines and surgical appliances was 22,866*l.* It is this item which should show a diminution when the National Insurance scheme is in working order. We note also that, in the Metropolis, for outdoor medical relief the average remuneration per order, including extra fees for medical officers, worked out at 3*s.* 6*d.*, the average number of orders per medical officer was 731, and the amount of medical officers' salaries and fees was 19,482*l.* It is satisfactory to see that the Local Government Board last year issued a special circular to Boards of Guardians regarding the remuneration of medical men called in by midwives as required by the Midwives Act. The Guardians have power to pay a reasonable remuneration to medical men called in, but the Guardians are asked to obtain a definite assurance that efforts by the doctor to secure payment from the person attended have failed. Vaccination-fees in the Metropolis, which reached the enormous sum of 91.077*l.* in 1903, were 23,801*l.* in 1910.

The report of the Medical Officer of the Local Government Board has also been issued this week. This includes a general review of the public health in 1910, and an account of some special subjects considered during the year. Auxiliary scientific investigations are also summarised, dealing with the causation of scarlet fever, infantile diarrhœa, flies as carriers of infection, bacteria in sewer air, and secondary infections in pulmonary tuberculosis, the full reports taking the form of appendices. The Medical Officer deals in an interesting manner with the facts as disclosed by mortality statistics, the following being the deductions from the enteric-fever deaths:

In the year 1910 enteric fever was the registered cause of 1,848 deaths in England and Wales. Had the death-rate been the same as in the period 1871-80, the number of deaths from this cause in 1910 would have been about 11,800. The saving of nearly 10,000 lives in a single year implies about 70,000 fewer cases of a protracted and disabling illness, and means a corresponding diminution in loss of national efficiency. As about 70 per cent. of the total cases of enteric fever occur at ages 15-55, diminution of this disease has added materially to the earning-power of the community. If each man at these ages be assumed to earn 1*l.* a week, and each woman's work to be equal to a weekly sum of 10*s.*, and if the period of disablement be assumed to be twelve weeks, 49,000 fewer cases at ages 15-55 mean an annual saving in regard to loss of wages alone of over 400,000*l.* This allows nothing for cost of nursing and medical attendance, which cannot be reckoned at less than 30*s.* a week for twelve weeks for each of the 70,000 cases of disease. This represents an annual saving of 1,260,000*l.* Nor does this cover the entire ground. The lives lost, on an average, had each a definite financial value. In 1876 Dr. Farr arrived at the conclusion that the mean net value of each male member of the population was 150*l.*, estimated by the standard of the agricultural labourer. This meant the average excess of capital value over cost of subsistence of child and man. It is reasonable at the present time to assume that each male and female has an average financial value equal to that of the average male of 1876. On this basis the 9,952 lives saved in 1910 imply a financial saving of 1,492,800*l.* The total saving in one year cannot well be less than three millions sterling, a substantial sum, in respect of one disease only, to be set against the sum of about sixty millions sterling now expended in England and Wales out of all local rates, including poor rates, in a single year.

We note also that use is made of Dr. Thresh's annual report for the county of Essex in showing that enteric fever is largely caused by the consumption of infected shell-fish. Where steps have been taken to ensure the purification of shell-fish the result has been that the death-rate from enteric fever has diminished almost to zero.

Ext. Filicis Maris.

In connection with Mr. E. J. Parry's observation that extract of male fern is very commonly adulterated with castor oil, we note that the Dutch Pharmacopœia (1905) provides a qualitative test for filicin, which has been made into a quantitative one by the latest Swiss Pharmacopœia. The Dutch test is as follows :

Cum extracti milligrammata 25, in ætheris centimetris cubicis 2 soluta, cum commixtis aquæ barytæ et aquæ centimetris cubicis quinis (5) conquassata erunt, e liquoris aquosi filtratis per acidi hydrochlorici quantitatem excedentem præcipitatum fluccosum secernitur.

The compilers of the Swiss Pharmacopœia by making this test quantitative ensure the absence of castor oil or other adulterants. Following are details of the Swiss test :

Five grams of the extract is dissolved in 30 grams of ether and well shaken for five minutes with 100 grams of a 3-per-cent. solution of barium hydroxide in a separating funnel. After the liquids have completely separated, the lower aqueous layer is filtered, and 86 grams (equivalent to 4 grams of the extract) of the filtrate is mixed with 3 c.c. of 25-per-cent. hydrochloric acid, then shaken up with three successive quantities of 30, 20, and 15 grams of ether. The ethereal extracts are filtered, the filter washed with ether, and the ether evaporated on a water-bath. The residue is dried at 100° C. until the weight is constant. It should weigh from 1.04 to 1.12 gram, representing 26 to 28 per cent. of crude filicin.

Some specimens which have been examined in England have shown as little as 10 per cent. of filicin.

What the 1908 Act has Done.

We are indebted to a subscriber for the following cutting from the "Lancaster Observer's" report of last week's meeting of the Lancaster Town Council :

"On the 25th ult. a report was submitted as to the sale of poisonous sheep-dip in the covered market on the 7th instant by a person holding a County Council licence, and a letter was read from the offender pleading ignorance and apologising for the offence. After fully considering the special circumstances of the case, the Town Clerk was directed to communicate with the offender upon the subject."

The offender, as a licensed person, ought not to be ignorant of the fact that the licence granted to him is in respect to the premises stated on the licence. One effect of the Poisons and Pharmacy Act, 1908, is to create the idea in the minds of some persons that the licence is one for free trade in poisons. The above case illustrates the most unsatisfactory manner in which local authorities grant the licences, and the time appears to have arrived when something should be done to prevent the renewal of licences to persons who violate the conditions upon which they have been granted.

The Magnesiary of Fate.

In two recent actions under the Sale of Food and Drugs Acts, the complaint was that the preparation supplied for emulsion of magnesia was twice as strong as the "British Pharmaceutical Codex" prescribes. It is a notable circumstance that the second edition of that book, issued this week, adopts for the preparation the strength of the proprietary article which had been supplied by the defendants. Further, had the book been ready when it was expected, it would most probably have been published before the cases were heard, and there would have been no cause of action. What is to happen to those pharmacists who in future sell emulsion of magnesia as prescribed in this Codex until the day before yesterday? There is no statutory provision, as in the case of the British Pharmacopœia, to compel any person to adopt the 1911 Codex in place of the 1907 one, and the initials "B.P.C." mean British Pharmaceutical Conference, or either of the editions of the Codex, or anything else that happens to fit in with these letters—*e.g.*, Brook, Parker & Co. Unlike the General Medical Council, the Pharmaceutical Society has no statutory authority to publish a book of standards for medicines, and no power to enforce them, and this fact should not be lost sight of by those who may be called upon in the future to defend cases akin to those we refer to.

Mr. Balfour and the Microbes.

It is not generally known that the ex-Unionist leader, Mr. A. J. Balfour, is in a way connected with medicine, and incidentally, though somewhat remotely, with pharmacy. In the speech in the City last week in which he gave his reasons for retiring from the leadership of the Unionist Party, he made use of a happy illustration. Alluding to the critics and grumblers in the party, he said :

"Such critics and such grumblers in the party are like a microbe which doctors tell us dwells within our organisms. If we sit in a draught and lower our vitality by fatigue we get a violent cold in the head and a slight attack of fever, but when our strength is recovered the microbe resumes its proper place and becomes comparatively innocuous."

The interest to us in this quotation is not in the subtle manner in which he put the party "microbes" in their proper place, but in tracing the genesis of the idea in Mr. Balfour's mind. The statement is, in effect, a fairly correct summary of the views held by the new anti-microbic cult of which Sir Almroth Wright is the high-priest. It is commonly stated that Mr. Balfour never reads the newspapers, but he must nevertheless keep abreast of new thought, for so active a mind as his would have worn itself out long ago had it only had his own unaided imagination on which to feed. The source of the inspiration of this passage is no doubt to be found in Mr. Balfour's association with Sir A. E. Wright. The Department of Therapeutic Inoculation at St. Mary's Hospital is managed by a committee quite separately from the management as a whole, and of that committee Mr. Balfour is a member. The Chairman is Lord Justice Fletcher Moulton, and other laymen are Mr. Max J. Bonn (Hon. Treasurer) and Mr. Green, of Green's Fuel Economisers. Of the medical members Sir A. E. Wright is the most prominent. The work of this committee is mainly to ensure the provision of funds for the maintenance of the Department, and one means to this end is the production, in the laboratory, of bacterial vaccines, the sale of which is steadily growing. In his association with this Committee, it is natural that Mr. Balfour should have become familiar with the phraseology of the new school of thought, and it is this which in all probability explains the microbial illustration, quoted above, that has produced not a little irritation among the "microbes" in the Unionist Party.

Citronella Oil.

In the Semi-annual Report of Messrs. Schimmel & Co., dated October 1911, the following remarks are made in regard to the testing of citronella oil for the amount of esters present :

A method for the acetylation of citronella which originally appeared in The Chemist and Druggist,* and which has recently been reprinted in an American contemporary,† has inspired a searching criticism by C. Kleber.‡ First of all Kleber corrects the assertion which is made in the description of this method that the acetate of sodium is added for the purpose of absorbing the water formed in the course of esterification with acetic anhydride. As a matter of fact, the sodium acetate merely plays the part of a catalyser, for since no water whatever is formed in the course of the

* The Chemist and Druggist, lxxvii. (1910), 896. Also comp. Report, April 1911, 46.
† "Americ. Perfumer," vi. (1911), 86.
‡ *Ibidem* 116.

reaction, none can be absorbed. Moreover, every trace of water which might be present would be absorbed, not by the sodium acetate, but by the acetic anhydride, with generation of a corresponding quantity of acetic acid; hence, in order to obviate errors, Kleber expressly recommends the use of *fused* instead of dry sodium acetate, on the ground that the ordinary crystalline salt, although it looks dry, in fact contains three molecules of water of crystallisation, which would effect the decomposition of a portion of the acetic anhydride.

Further, according to Kleber, it is impracticable to wash out the acetylated product with water, because too many washings would be required to remove the acid completely. The object is much more quickly attained, he states, by shaking once with a solution of common salt, running off the aqueous solution, and completing the neutralising process with a 10-per-cent. carbonate of soda solution, which should be added in small portions, the mixture being vigorously shaken each time. The completion of the reaction is indicated by the cessation of pressure in the separating funnel after shaking.§

When the oil has been acetylated and washed out it must not be dried with anhydrous sodium *bi*sulphate, as laid down in The Chemist and Druggist, but with anhydrous sodium sulphate, because the first-named agent, owing to its acid properties, might split up the geranyl esters. Warming on the water-bath also is not only superfluous, but positively objectionable. Half an hour is not enough to saponify the ester which is formed; the oil should be left upon the water-bath at least one hour, two hours is still better.

Kleber next refers briefly to the geraniol-test, the general introduction of which for commercial purposes would scarcely, in his opinion, afford the universal panacea against adulterations which it is claimed to be by others. Kleber specially holds this view because the practised sophisticator would find ways and means of imparting to his oil the required acetylation-value by means of esters, alcohols (fusel oil, etc.), and acids, and because the "average pharmacist," judging blindly by the acetylation-value, would fail to detect such additions.

The report proceeds to comment upon Mr. John C. Umney's method and standard (*C. & D.*, September 2, index folio 387), saying that the "Perfumery and Essential Oil Record" and the *C. & D.* "pass by in silence everything that has recently been published on the subject of acetylation of citronella oil, and to set up some 'special method.' There can be no doubt that our own prescription, *which is founded upon an experimental basis*, must be familiar to English chemists who are concerned in this matter, and it is therefore surprising that in spite of this knowledge they should again persist in taking a course of their own."

[We append an abstract of the method described in the *C. & D.*, 1910, II., 896 (as used by London analysts), and reprint a method given in Schimmel's Report, April 1911:

C. & D.	*Schimmel.*
About 10 c.c. of the oil is placed in a small flask with 15 c.c. of acetic anhydride and 1 to 2 grams of dry sodium acetate. The mixture is boiled under a reflux condenser for two hours. The reaction-liquid is transferred, when sufficiently cool, to a stoppered separator and repeatedly shaken with water, and this is repeated until the wash-water is free from acid. If only a trace of acid remains in the wash-water, a final washing with water containing a trace of sodium bicarbonate will remove the last traces. The washed oil is then warmed on a water-bath with a little anhydrous sodium bisulphate to remove traces of water, and filtered through a dry filter-paper. The oil is now ready for saponification. About 2 grams is weighed into a small saponification-flask, and exactly 25 c.c. of an alcoholic solution of caustic potash approximately half normal run in. A second similar flask is used for a blank experiment, and contains only 25 c.c. of the same solution of potash. Boil, etc.	10 c.c. each of citronella oil and acetic anhydride with 2 g. anhydrous sodium acetate and a few fragments of porous plate (in order to prevent the liquid from bumping) are kept boiling at an equal temperature in an acetylation flask for two hours on the sand bath. When the mixture has cooled, a little water is added to the contents of the flask and the whole is heated for a quarter of an hour upon the water-bath under frequent shaking in order to decompose the excess of acetic anhydride. The oil is then separated in a separating funnel and washed with water or, better still, with a solution of common salt until it gives a neutral reaction. Of the acetylated oil dried with anhydrous sulphate of sodium, 1.5 to 2 g. is saponified with 20 c.c. of semi-normal potash liquor, any free acid which may have been present having been previously carefully neutralised. The time of saponification must be at least one hour.

§ Comp. Gildemeister and Hoffman "Die ätherischen Oele," 2nd edit., vol. i., p. 595.

Kleber's criticisms may be accepted for what they are worth, but we may point out that Gildemeister and Hoffman also recommend "dry sodium acetate" (meaning "anhydrous," of course); that the results with sodium bisulphate are within ¼ per cent. of those with the sulphate (which is now used by English chemists), and that when two molecules of geraniol and one of acetic anhydride react, a molecule of water is one of the products. These things are immaterial to the main issue. We have repeatedly stated that the English comments upon Schimmel's solubility-test were not derogatory criticism, but were directed to show that the test is insufficient to evaluate oils which just fail to pass the test. From this fact has arisen a desire to buy the oil upon its ester percentage, just as opium is bought by its morphine content, and this desire has now been satisfied in established practice. There is not, we feel sure, the slightest disposition among English chemists to discredit Schimmel's solubility-test *pro tanto*, nor to ignore their work on the subject generally.—Editor *C. & D.*]

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale.

Phenyl-ethyl-alcohol as a Solvent.—Thorburn ("Chemiker Zeitung," 1911, 111, 1016) states that phenyl-ethyl-alcohol, the characteristic constituent of synthetic otto of rose, when mixed with petroleum ether, forms a most useful solvent for extracting alkaloids in alkaloidal assays. It extracts morphine, for example, completely from its aqueous solution.

Extract of Belladonna.—Danckwortt ("Arch. der Pharm." 1911, 247) has made an exhaustive study of belladonna in order to decide in what way the richest extract can be prepared. He comes to the following conclusions, after numerous assays: (1) The leaves of belladonna contain less alkaloids than the aërial portion of the plant taken as a whole; (2) the percolation of the dry drug yields a richer extract than that obtained from the fresh plant; (3) the extract obtained from the whole of the dry plant (except the root) is richer than the extract from the dry leaves alone, but the amount obtained is greater in the latter case.

The Acids of Rosin Oil.—This oil, which is so largely used as an adulterant, is not well understood chemically. Schulz ("Chemiker Zeitung," 1911, 1181) has now reinvestigated the oil, and by a series of fractional crystallisations has separated the so-called iso-sylvinic acid into two bodies, a crystalline and an amorphous acid. The crystalline acid he calls olsylvinic acid. It melts at 171°, and has a specific gravity 1.0736 and specific rotation +53°. Its formula is $C_{19}H_{30}O_2$. It yields a well-defined methyl ester, having the following characters: specific gravity 1.0557 at 20°, refractive index 1.5302 at 20°, and specific rotation +49°. The other acids are under investigation.

Essential Oils and Plant Metabolism.—Ratak ("J. Amer. Chem. Soc.," 1911, 1242), following somewhat on the lines of Charabot's well-known work on the development of essential oils in plant-tissues, has experimented with fleabane, bergamot, mint, peppermint, and wormwood. He finds that the esters present in the essential oils do not appear to be affected in quantity during the fructification of the plant. The amount of esters, however, increases very largely during the growth of the plant and is at times two to three times as great as it is just before flowering. He considers that the amount of free alcohols does not bear any relationship to the life processes of the plant, and comes to the conclusion that the odorous constituents are simply excretory products and are of no further use to the plant. Drying, budding, blossoming, and fruiting cause variations in the essential oil, but in no case could he find any decided consumption of the esters or alcohols in the processes.

Alkaloidal Content of Indian Daturas.—A. E. Andrews ("Proc. Chem. Soc.," 390, p. 248) finds that in Indian *Datura Stramonium* plants examined by him there was 0.25 per cent. of total alkaloid in the stems, 0.41 to 0.46 per cent. in the leaves, and 0.46 per cent. in the fruits. With one exception this consisted of hyoscyamine either alone or associated with a small proportion of scopolamine. The presence of the latter seems to be the chief point of different between European or Egyptian and Indian plants. Indian *Datura fastuosa* samples contained from 0.1 of alkaloid in the roots to 0.2 in the fruits. Scopolamine was found to be the predominant alkaloid. The Indian plant thus closely resembles the European variety. In Indian *Datura Metel* samples examined the seeds and the leaves contained 0.25, and the capsules 0.12 per cent., of total alkaloid. In this case the Indian plant appears to contain only about one-half of the amount of total alkaloid present in the seeds and leaves of the European plant.

WESTMINSTER WISDOM.

The Week in Parliament.

National Insurance Bill.

According to present indications the Committee stage of the Bill will be brought to a close early next week. After a brief interval six days will be devoted to the report stage and one to the third reading. The Bill is expected to reach the House of Lords in the first week in December. Official and other amendments are being put down daily. We deal with those affecting medical benefit in Ireland, Scotland, and Wales in an article beginning on p. 48. One of the Chancellor of the Exchequer's amendments is to provide for employés who receive wages from their employers during sickness. This has special interest to the retail drug-trade and those who employ domestic servants. The terms of the first three sub-sections of the new clause are as follows :

(1) The Insurance Commissioners may from time to time make special orders specifying any classes of employment in which a custom prevails according to which the persons employed receive full remuneration during periods of disease or disablement, and where the custom is confined to certain localities the order shall also specify the localities in which the custom prevails, and, subject to the provisions of this section, the order may contain such incidental, supplemental, and consequential provisions as appear necessary for adapting the other provisions of this Part of this Act to cases under this section.

(2) It shall be lawful for any employer who employs persons in any class of employment specified in any such order, within a locality (if the custom is confined to certain localities) so specified, to give to the Insurance Commissioners the prescribed notice, and thereupon the employer shall, as respects all such persons, be subject to the liabilities, and this Part of this Act shall apply in respect of all such persons, subject to the modifications hereinafter mentioned.

(3) The employer shall be liable to pay full remuneration to every such person during any period or periods not exceeding six weeks in the aggregate in any one year during which such person may be suffering from any disease or disablement commencing while such person is in his employment, notwithstanding that such person may have left his employment before the expiration of that time.

Provided that if any such person is engaged for a term of not less than six months certain, the employer shall be liable to pay full remuneration during any period of disease or disablement lasting less than six weeks, and for the first six weeks of any period of disease or disablement lasting more than six weeks, notwithstanding that the aggregate exceeds six weeks, but where any such period extends beyond the term of the engagement, he shall not be liable to make any payment in respect of any part thereof after the expiration of such term.

Eight more sub-sections follow, but these are of administrative significance.

The Chancellor of the Exchequer has given notice of the following addendum to the fourth schedule of the Bill dealing with additional benefits :

"The payment of the whole or any part of the cost of dental treatment."

The Opium Conference.

It is announced that three of the delegates to the Opium Conference at The Hague, which opens on December 1, will be Sir Cecil Clementi Smith, Sir William Meyer, and Mr. W. Max Müller, of the Foreign Office. We are informed, upon authority, that the first named will be the head of the delegation. It is understood that the question of cocaine and morphine will come up for consideration.

On Thursday, November 16, Mr. Mitchell Thompson, M.P., repeated his question regarding the composition of the British delegation.—Sir Edward Grey said he had not received a definite programme from the Netherlands Government, and therefore no instructions could be given to the British delegation. He asked for notice of a further question as to whether the Conference would be postponed.

Stamped Medicines.

We reported last week the Home Secretary's reply to Mr. Bathurst's question regarding the appointment of a Select Committee next Session. Subsequently, Mr. Bathurst asked Mr. McKenna if he would consider it advisable in the meantime to issue regulations rendering it compulsory to state upon the labels of bottles containing such medicines what they contain and what diseases they are supposed to cure.

Mr. McKenna replied : The latter information is, I think, already sufficiently stated on the bottle. That is one of the very topics that will be considered by the Committee.

Mr. C. Bathurst : When does the right hon. gentleman propose to appoint this Select Committee?

Mr. McKenna : Next Session.

Mr. C. Bathurst : Not till then?

Mr. McKenna : No, sir.

Questions and Answers.

Dental Inspection of Children.—Baron de Forest asked the President of the Board of Education in the House of Commons on Monday, November 13, whether he was aware that at the centres in London where dental treatment has been provided for children attending Council schools it has been found at an early stage to be necessary to supplement the work of the school doctors by special dental inspection; whether he has any information showing that the incidental examination of the teeth in the course of the ordinary medical inspection is any more adequate in other areas; and whether, in view of the experience of these London centres and of the condition of affairs revealed by the report of the chief medical officer of the Board, he will reconsider his decision that there is no necessity to insist upon a special dental inspection.—The President replied that the answer to the first part of the question is in the affirmative. With regard to the second, the examination of teeth varies in degree and character in different areas. With regard to the last part, he was fully alive to the importance of the matter, but he was unable to add anything at present to his answer to the hon. member's question on the 9th inst.

Industrial Alcohol and Methylated Spirits.—The Chancellor of the Exchequer was asked in the House of Commons on Wednesday, November 15, by Mr. Rowland Hunt, M.P., to state what is the Excise duty on a gallon of industrial alcohol manufactured in this country, and the Customs duty on a gallon of industrial alcohol imported from abroad. The hon. member also asked what the Excise duty is on a gallon of methylated spirits manufactured in this country, and the Customs duty on a gallon of the same article imported from abroad.—Mr. McKinnon Wood said he would answer the two questions together. He presumed the hon. member was referring to the two kinds of methylated spirit, generally known as "industrial" and "mineralised." No Excise duty is charged on spirits methylated in this country. No spirit other than that prepared in this country under the prescribed regulations is recognised by the Revenue authorities as methylated spirit. There is no special rate of Customs duty on methylated spirit, and, if imported, it would pay the full spirit duty. Consequently, no methylated spirit is imported from abroad.

Select Committee on Patent Medicines.—In the House of Commons on Thursday Mr. Lynch asked the Home Secretary whether he was aware (1) that among the patent medicines sold in this country there are some of which the advertisements are merely thin disguises for the suggestion of illegal practices, and that the consequences in a number of cases do not rest with the immediate result sought, but produce severe general poisoning, such as lead-poisoning; whether steps will be taken to put a stop to or mitigate these evils; (2) whether he is in a position to state the general character of the Select Committee he has promised to appoint next Session to consider the question of patent medicines, particularly in regard to the terms of reference and the adequate representation thereon of medical opinion; and (3) whether, in view of the fact that many of the patent medicines sold in this country consist mainly of cheap and innocuous drugs sold at fifty times the real value, he will issue as a Parliamentary Paper a statement of the analyses of the more prominent of such patent medicines, or will take steps to give wider publicity in the general interest to the results of analyses of popular patent medicines obtained by the experts employed by the "British Medical Journal."—Mr. McKenna, in reply, said : (1) I am aware that some of the advertisements suggest illegal practice. They are, in fact, "veiled language." In many cases drugs are, in fact, so innocuous that it would be impossible to prosecute successfully. This will be a matter for the consideration of the proposed Select Committee. (2) I am not yet in a position to make any announcement. (3) The analyses published by the "British Medical Journal" are no doubt most useful, but I think the hon. member will understand that I cannot without

independent investigation adopt and publish them officially. The question is one I must leave to the Select Committee.—Mr. Bathurst: Will the right hon. gentleman accelerate the appointment of this Committee?—Mr. McKenna: I have already stated that I shall propose the Committee next Session. It will be appointed early.

The Shops Bill.

If this Bill again comes before the House of Commons during the present Session (it was sixth in the orders on Monday) Mr. Ian Malcolm, M.P., proposes to insert at the end of Clause 1 words providing that on the first working day of each week the occupier of a shop shall affix in some place within the shop, accessible to those employed, a notice showing the number of hours for which each assistant was employed during the preceding week, the times at which and where the employment was divided into spells, and the times at which the several spells of each assistant commenced and ended. The notice is not to be removed till seven days from the time of its having been affixed, and unless within that period objection in writing is lodged with the occupier stating the particulars in which the notice is alleged to be incorrect, it shall be taken to be a correct record of the hours of employment for that week, and may, if required, be produced in evidence. Mr. Malcolm also proposes to add words providing that the duration of employment may be extended by half an hour, if the assistant was merely employed in putting away goods and tidying the premises.

MEDICAL GLEANINGS.

The Treatment of Asthma.

Dr. G. A. Gibson, Edinburgh, read a paper on the varieties and treatment of asthma at the annual meeting of the British Medical Association at Birmingham. This has now been published in the "British Medical Journal. In the part referring to the treatment of asthma Dr. Gibson advocates that meals be taken undiluted to any great extent by fluids, although an hour or so before breakfast and late at night a tumblerful of hot water, or in the morning weak tea, may be taken. As regards the drugs employed Dr. Gibson states:

The drugs which have been employed both to ward off paroxysms of asthma and to relieve them when they are present form a large and imposing array. First among those remedies which are of use from the prophylactic point of view are all remedies which aid the digestive system. Among this group we have, particularly, the intestinal antiseptics, such as salol and naphthol. Good though these are, their efficacy is surpassed, in my own personal experience, by the employment of calomel, combined with acetozone, in doses of one-twelfth and one-half of a grain respectively, three times a day. With these drugs, and careful supervision of elimination, the alimentary tract can be kept in the most favourable condition. Among drugs which undoubtedly exercise an influence which may almost be termed specific in warding off attacks of asthma, the iodides have long justly stood in the foremost place. We understand to a considerable extent how the iodides act in high arterial pressure, and in organic angina pectoris; but the exact method of action has still to be explained in regard to asthma. It occasionally happens that the efficacy of these drugs is increased by the addition of arsenic—just as we find similar assistance when treating arterial diseases. In the treatment of a paroxysm, our methods will always be largely guided by what we know from physiological experiments. We have been taught by the results of investigations that muscarine, for example, can produce paroxysms of asthma in the ordinary animals employed in the laboratory which present a perfect resemblance to those seen in the disease. The forced inspiration, the long expiration, the rhonchi, the distension, the cyanosis of the mucous membranes, the cold dampness of the skin, the staring eyes—all these may be produced at will by the employment of muscarine. On the other hand, belladonna and atropine, chloroform and ether, opium and morphine, put an end to such paroxysms. These are just the drugs which we all recognise as being helpful in cutting short the paroxysms of asthma in our patients. Lobelia, in the form of the ethereal tincture, has long been regarded as almost specific in its influence over the paroxysm; and the researches of Brodie and Dixon have shown that this drug has a powerful influence in experimental asthma, although its influence is shorter in duration than that of some of the remedies which have just been mentioned. Grindelia has been used by me for more than thirty years; but, on the whole, it has seemed to me to be less powerful than lobelia. The whole series of the nitrites is of immense value. Even so weak a preparation as spirit of nitrous ether is useful. Nitroglycerin, erythrol tetranitrate, and sodium nitrite, all are to be most warmly commended for employment during a paroxysm of the disease. Perhaps you will allow me to express one warning note as regards the employment of cocaine. In many cases instantaneous relief is brought about by the use of various sprays which contain this remedy. The relief which they often produce is so great that a patient is insensibly led on to use more and more of the remedy until it has completely mastered the will and the patient falls a victim to the cocaine-habit. Two methods of treatment need only be referred to in this place—one is the use of different forms of powder which, when burnt, give off dense fumes. The basis of most of these is an aromatic herb combined with an alkaline nitrate. Even in far-away cottages in the Highlands we may see homely remedies of this kind devised by the wise women of the district, and no doubt every one of us has witnessed the benefit produced by such means. The other (and last) point to be brought before you is that, in a large number of cases, but not in all, a paroxysm may be cut short by the direct application of cocaine and adrenalin to the sensitive spot, far back upon the nasal septum, just as treatment of that region by the rhinologist during the interval is frequently followed by complete relief of the patient.

CHEMISTS' WINDOWS.

New ideas for dressing windows are invited. Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.

A Sponge Window.

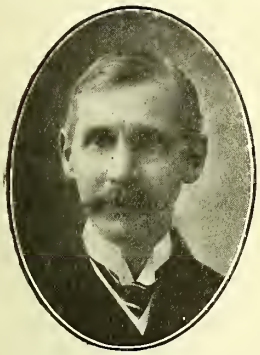
Sponges in themselves are not materials with which to form very attractive displays, and the chemist must perforce utilise extraneous methods of attraction, and the above photograph shows a judicious combination by Mr. J. Cleworth, chemist, 56 Ducie Street, Oxford Street, Manchester, of a sponge novelty (sponge-diver), prominent showcards, and the added zest of competition. This last-named was a quarter-plate magazine camera, to be given to the person who estimated the correct number of sponges (nearly 350), and it attracted over 300 entries, although limited to actual buyers of goods, this alone more than repaying the cost of the prize. Besides selling many sponges, the display impressed on local inhabitants what a large stock of good sponges were kept, and that the prices were right, every lot being distinctly marked. A sprinkling of loofah "Water Babies" proved to be a seller to parents with young children.

Mr. George B. Tangeman, a millionaire paper manufacturer in the United States, once ran a little store in Troy, Ohio, and during his leisure hours he experimented upon and perfected a baking-powder from the sale of which he was able to build up his huge fortune.

WINTER SESSION.

Association Presidents.

This week the Western Chemists' Association of London celebrated one of the few big dining events which metropolitan pharmacists enjoy, and Mr. William Browne, the new President, made his *début* in this social capacity. He is a brother of Mr. Frank Browne, F.I.C., who was demonstrator at the Square a few years ago and is now Government analyst at Hong-Kong. The late Mr. J. C. Browne, Bury St. Edmunds, was their father. Mr. William Browne was educated there, and apprenticed to Mr. E. C. Ashford, of Northampton. Afterwards he went to Messrs. Frost & Cope, Derby, thence to Messrs. Provost & Crook, Eastbourne, then came to the Square to study, and after qualifying returned to Messrs. Provost & Crook as senior assistant. Next he enlarged his experience with Mr. Hardwick, of Bournemouth; then returned to London, and went as senior to Messrs. Alsop & Quiller, Sloane Street, after which he was for some time with Messrs. Savory & Moore, New Bond Street. He then opened and managed a new branch pharmacy for Messrs. T. H. Bateman & Co., Finchley Road, afterwards becoming partner, and on the death of Mr. Bateman he took over the business. The pharmacy is a very handsome one, at the corner of Avenue Parade (it is No. 1), with a window in each thoroughfare, both equipped in high-class style, for the business is a dispensing one of that kind, which employs five qualified assistants, as well as the proprietor. A quiet, unassuming, genial man, and an excellent pharmacist, Mr. Browne has the esteem of his *confrères*, as was demonstrated at the Frascati on Wednesday evening.



Mr. W. Browne.

Brief Records.

Glamorgan Valleys Chemists' Association. — Messrs. D. Arnott and W. Oswal Davies, President and Secretary respectively of this Association, have issued a circular-letter to chemists in the district appealing to them to join the movement.

N.U.A.P.—At the request of the Chancellor of the Exchequer, Mr. Victor Bottomley, Hon. General Secretary of the National Union of Assistant Pharmacists, has interviewed the Treasury officials with reference to the position of assistant pharmacists under the National Insurance Bill.

Liverpool Chemists' Association.—As a result of the smoking-concert held jointly by the Liverpool Chemists and the Birkenhead and Wirral Chemists' Associations on November 2 a sum of 34*l.* has been forwarded to the treasurer of the Pharmaceutical Society's Benevolent Fund.

Association of Certificated Dispensers.—Mr. Albert Howell, Hon. Secretary of this Society, and Mr. F. E. Trayner were received this week by a member of the Government, who gave them satisfactory assurances that the interests of those holding the dispensers' certificate will be perfectly safe under the National Insurance Bill.

Plymouth, Devonport, and Stonehouse Association of Pharmacists.—The following officers have been elected for the ensuing year: *President*, Mr. J. Davy Turney; *Vice-President*, Mr. F. Augustus Spear; *Hon. Treasurer*, Mr. Edward G. Turney; *Hon. Secretary*, Mr. Frank J. Barge. The annual dinner has been fixed for November 29.

Doncaster Association of Pharmacists.—The monthly meeting was held at the Glyn Hotel, Doncaster, on Tuesday, November 7, Mr. W. E. Plant in the chair. Messrs. F. Brooke, H. W. Shaw, F. Jackson, E. A. Collings, M. H. Stiles, and the Hon. Secretary (Mr. Harry W. Stiles) were also present. The meeting at Sheffield on November 8 was the principal topic. The members will meet again.

Glasgow and West of Scotland Chemists' Association. — As a result of the letter issued by the Hon. Secretary (Mr. J. H. Hart, 362 Dumbarton Road, Partick, Glasgow) about seventy new members have joined the Association recently, and the session promises to be most successful. A programme covering the monthly meetings until April has been published, and indicates "good business" all through, the concluding lecture being by Dr. Inglis Clark, of Edinburgh.

Irish Chemists' Assistants' Association.—A lecture on *First-aid* was delivered by Dr. Charles at 2 Aston's Place, Dublin, on November 10. He advocated the compulsory training of the pharmacist in first-aid, which he said would be of more advantage to him than some of the present subjects which he is compelled to learn for his Final examination. A detachment of the St. John Ambulance Corps was in attendance, and the men gave demonstrations in life-saving, artificial respiration, applying splints, etc.

Huddersfield Chemists' Association. — The annual meeting was held at the Queen Hotel on November 14, Mr. Spurr presiding. Mr. J. F. Russell was elected a member of the Association. The Secretary (Mr. J. Cooper) submitted the balance sheet, which showed a balance in hand. Mr. J. B. Wood was unanimously elected *President* for the ensuing year, Messrs. Russell and S. Stephens were appointed *Vice-Presidents*, and Mr. Cooper was reappointed *Secretary*. It was decided to hold the annual whist-drive in January.

Bolton Pharmaceutical Association. — Mr. Charles Holt presided over a well-attended meeting held in Hampson's Café on Thursday evening, November 9. A vote of congratulation to Councillor Percy Knott was passed on his election to represent North Ward in the Bolton Town Council, to which Councillor Knott made an appropriate reply. Mention was made of the Benevolent Fund Election, and discussion on the mode of carrying out the same. The remainder of the evening was taken up in formulating rules for the membership, etc.

Manchester Pharmaceutical Association.—A meeting was held at the Victoria Hotel on Wednesday, November 8, at 7.30 P.M., when some twenty members were present, Mr. Geo. S. Woolley presiding. The evening was devoted to a consideration of the *British Pharmaceutical Codex* and the synopsis of the same which is being prepared by the Edinburgh District Chemists' Trade Association in order to bring before the notice of medical men in a handy form the Codex preparations. Messrs. Grier, Pinchbeck, and Franklin were the speakers. Mr. Geo. S. T. Livesey was proposed for membership of the Association.

The Oldham Branch of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., met at the Hare and Hounds Hotel, Oldham, on November 7, Mr. Hustwit (Vice-President) in the chair. Business matters of interest to chemists were discussed, after which the members present indulged in a smoking-concert, Miss Wood and Messrs. Whittle and Knight being among those who delighted the meeting.—A special meeting of the Manchester members was held at the Mitre Hotel, Manchester, on Wednesday afternoon, November 15. Mr. Huntrods (Leeds) presided. About fifty members were present, including Mr. G. Childe (Leeds), member of the Council; Councillor Whittaker (Accrington), Mr. Lewis (Manchester President). A full report of the work done since the establishment of the Manchester branch in July was read by Mr. A. Whalley (Sale), General Hon. Secretary.

Chesterfield Pharmacists' Association. — A meeting on November 14 at the Hotel Portland, under the presidency of Mr. A. W. Greaves. The following were among those present: Messrs. F. J. Houston, J. Dent, T. E. Furness, Geo. Wright, J. Denwood, A. E. Houghton, S. C. Greaves, J. Wilbourne, H. Twelves, Sales, and J. H. Toplis (Hon. Secretary). Mr. Twelves gave a report of Mr. Woolcock's address to the Sheffield chemists, in the course of which it was suggested that a sub-committee to the parent society be formed. Messrs. Barfoot, Furness, and J. H. Toplis were accordingly elected to form the sub-committee. A discussion then took place on the *National Insurance Bill*. It was deemed essential that pharmacists should be represented on the Health Committees, and the Secretary was instructed to write the Secretary of the Pharmaceutical Society for advice as to what should be now done in the matter.

Grimsby Pharmacists' Association.—A meeting was held at Dring's Hotel on November 6. There were present Mr. Cor. Willson (President), and Messrs. H. W. Colley, E. W. Bowskill, W. G. Robinson, and C. H. Ashton (Hon. Secretary). In regard to the visit of Mr. Woolcock to Grimsby, it was decided to ask Mr. Woolcock if it would be possible for him to visit the Association some Thursday afternoon, which is more convenient than an evening meeting. An answer from the Secretary of the Chemists' Defence Association regarding the sale of spirituous preparations by other than chemists was considered very unsatisfactory, and the matter was ordered to be placed on the agenda for the next meeting. A letter was read from the Pharmaceutical Society regarding the *National Insurance Bill*, asking that the Association should secure the support of their local member of Parliament to the amendments of Mr. Glyn-Jones and a promise to resist any tampering with Clause 14. The Secretary was asked to write to Sir George Doughty, M.P., on the subject.

Newcastle-on-Tyne Pharmacists' Association.—A meeting was held on November 8 at the Hôtel Métropole, Clayton Street West. There was a large attendance, presided over by Mr. W. Buckley. In opening a discussion on the *National Insurance Bill*, Mr. T. M. Clague prefaced his remarks by reading the report of the pharmacists' interview with the Chancellor of the Exchequer. Regarding direct representation on the local Health Committees by pharmacists, Mr. Clague said he was not anxious about this, but was very anxious that the trade should be united regarding the schedule of prices for dispensing. Messrs. Noble, Foggan, Wright, Todd, Fleming, and Gilderdale took part in the discussion, some of them being strongly in favour of direct representation. The best means of getting the trade of the district to work in harmony was also considered. Resolutions were agreed to calling upon the Pharmaceutical Society to use its best endeavours to obtain for pharmacists direct representation on the local Health Committees. A committee was appointed to deal with matters regarding the Bill.

Harrogate Pharmaceutical Association.—The first meeting of the session was held at the Salisbury Hotel on Friday evening, November 10, Mr. G. Pattison in the chair. Messrs. C. E. J. Eynon, George Fenn, T. E. Handford, George Weston, A. Atkinson, H. Hines, C. Mote, Sol Taylor, Parsons Rogers, A. McMillan, W. Simpson, P. Ridge, Illingworth, E. W. Lawrence, Lambert Foster, and the Hon. Secretary (Mr. C. B. Southwell) were also present. The principal business of the evening was an address by Mr. Pattison (introduced by Mr. Eynon), who thus inaugurated his presidential career. This was chiefly devoted to a consideration of the *National Insurance Bill*, and in the course of his remarks Mr. Pattison strongly urged upon his fellow-members to unite well, so as to guard against any possible dangers and disadvantages that might arise through the passing of the Bill. After the President's speech the meeting was resolved into smoking-concert arranged by Mr. Hines, to which the following contributed: Messrs. Illingworth, G. Weston, Sol Taylor, George Fenn, E. W. Lawrence, Mote, and Parsons Rogers. The meeting concluded with three cheers for the President.

West Ham Association of Pharmacists.—A meeting was held on November 9 at Earlham Hall, Forest Gate, London, E. The President (Mr. A. H. Cleland) occupied the chair. The Secretary submitted the balance sheet of the social evening held in October, which showed a slight loss. It was decided to leave the Benevolent Fund votes in the hands of the Committee, to be recorded at their discretion. Mr. A. J. Tellow and Mr. W. Joffe were elected associates. The President introduced the subject of the *National Insurance Bill*, which he hoped when passed would be to the advantage of pharmacists. An interesting discussion arose, and views were freely exchanged. The matter that seemed to interest members most was the scale of charges for the supply of medicine to the insured persons, and how these charges are to be fixed. It was generally assumed that the local Health Committees would seek advice from the pharmacists before formulating a definite scale. Mr. Mitchell suggested that a reasonable method of charging for medicine would be at the rate of ½*d.* per dose. Mr. Blades was able to settle many points about the Bill, as he had brought with him a supply of literature on the subject. Messrs. Potter, Soper, Eastman, Miller, Desmond, and the Secretary (J. E. Evans) also took part in the discussion.

Chemists' Assistants' Association.—The subject for the meeting held at 73 Newman Street, London, W., on November 9 was "Impromptu Speeches." Those who wished to take part in discussions were asked to draw a slip of paper from several bearing a number of questions. The speeches were limited to ten minutes' duration. Among the questions dealt with were: "Would the division of the Minor examination be beneficial to Pharmacy?" The speeches and voting showed a large majority in favour of division. "Is the remuneration of the pharmacist to-day as good as it was thirty years ago?" brought out many reasons for considering that the pharmacist is worse off nowadays, the members being unanimous on this point. "Should chemists prescribe?" was answered in the affirmative, with qualification. With discretion the chemist could reasonably comply with requests to supply remedies for minor ailments. In regard to "Is it advantageous to a chemist to spend a season in a Continental pharmacy?" and "Should overseas pharmacists be registered in this country without further examination?" the meeting was unanimously favourable to an answer in the affirmative. During the evening the *National Insurance Bill* was briefly reviewed, but time would not allow of a full discussion. The questions were well discussed and much ground covered, the speakers including Messrs. F. Naylor (President), Styles and Phillips (Secretaries), Haigh, Loxley, Thompson, Daniels, Woollons, and Dr. N. Walmsley.

Birkenhead and Wirral Association of Pharmacists.—A meeting was held on November 9. There was a good attendance of members, among whom were Messrs. Breeze, Sturt, Lewis, Govier, White, Grant, Cookson, Snow, Caine, Stockdale, Hume, Stones, and Hays. The following officers were elected for the ensuing session: *President*, Mr. J. A. Stelfox; *Treasurer*, Mr. W. A. Somerville; *Vice-Presidents*, Mr. Woodfield Cooke and Mr. W. A. Wynne; and *Secretary*, Mr. T. Stephen Jones (re-elected). Mr. Taylor (Egremont) was elected as a member. The President opened an interesting discussion upon the Poisons and Pharmacy Act, the Shops Bill and the Insurance Bill. The question of poisons was brought up again later by the mention of a Coroner's inquest regarding the death of a woman from lead-poisoning through taking diachylon. It was considered (apart from the particular case that brought the matter up) that in most large towns there is a class whose knowledge of drugs is of a very low order, and in some cases their code of morals is on a par with their medical knowledge. It was felt that the pharmacist is under a moral obligation to use his discretionary powers to protect those who from ignorance or other causes are unable to protect themselves. After the members had expressed themselves to this effect, it was resolved:

"That in view of diachylon being largely purchased for use as an abortefacient, this Association recommends each member to discourage the sale of it unless he is thoroughly satisfied that it is for a legitimate purpose."

Scarborough Association of Pharmacists.—A meeting was held at the residence of Mr. E. R. Cross, Westborough, on Friday evening, November 10, to discuss the *National Insurance Bill* with Mr .W. S. Glyn-Jones, M.P., and Mr. W. Rea, M.P. for Scarborough. The members present were Messrs. W. A. Senior (President), E. Parker (Vice-President), G. Whitfield (Divisional Secretary), E. R. Cross, J. Whitfield, R. M. Hill, Brown, E. M. Chapman, J. W. Chapman, T. W. Longdin, W. R. Eyre, H. E. Hunt, W. H. Newton, R. J. Simms, T. Taylor, and G. H. Meadley (Hon. Secretary). The President gave a hearty welcome to the visitors; after which Mr. Glyn-Jones (who had been addressing a monster public meeting in the town) spoke on the Bill, and answered a large number of questions. Several members who had come to the meeting in a rather pessimistic mood in regard to the Bill went home in a very much brighter frame of mind and quite convinced by the Parliamentary representatives that the Bill improves the outlook for pharmacists. The Borough Member assured the meeting that his views in regard to pharmacists under the Bill were identical with those of Mr. Glyn-Jones, and he would do all he could for pharmacists in the House of Commons. The meeting closed with a hearty vote of thanks, proposed by Mr. Cross and seconded by Mr. John Whitfield. Mr. Glyn-Jones, in acknowledging, reminded the members that they must not be content with having secured the support of the Borough Member for the pharmacy clauses of the Bill, but must carry on a vigorous campaign among members for neighbouring constituencies.

Mr. Woolcock (the Local Associations officer of the Pharmaceutical Society) met the Nottingham and Notts Pharmaceutical Association on November 8, Mr. F. Ross Sergeant (Vice-President) being in the chair, and Messrs. C. A. Bolton, A. Eberlin, J. T. Rayson, D. Ellis, W. Gill, W. A. Burnage, J. O. Teale, C. E. Reynolds, E. E. Dickenson, A. Middleton, H. P. Middleton, C. F. Carr, W. S. Adamson, J. Smith, H. Smith, J. Adams, H. Brown, J. T. Williamson, A. A. Ringer, H. C. Prince, J. Chambers, A. E. Beilby, J. T. Robson, E. S. Waring, and T. Freeman and E. E. H. Turton (Hon. Secretaries) were also present. Questions connected with the National Insurance Bill and the federation scheme were discussed. A vote in favour of the scheme was passed with one dissentient.—The next day a similar meeting of the Sheffield, Doncaster, Chesterfield, Rotherham, and Barnsley Associations was held at Sheffield, Mr. G. T. W. Newsholme presiding. Among those present were Messrs. R. Feaver Clarke (Gravesend), W. E. Plant, M. H. Stiles, Harry W. Stiles, J. Austen, F. W. Hornby, John Evans, J. B. Pater, E. A. Collins, D. T. Jones, G. Davies, Gilbert Jackson, J. Jones, J. H. W. R. Turner, J. T. Appleton, J. M. D. Reynolds, R. J. Butcher, H. B. Billington, S. P. Billington, E. Nash, W. Rigby, J. W. Moorhouse, C. H. Twelves, P. G. Dales, Percy Davy, A. E. Thomas, R. Blackburn, James B. Whitby, A. Taylor, J. P. Norwood, E. H. Swift, J. Gregson, S. H. Hallding, A. H. Culverhouse, J. H. Williams, C. H. Hewitt, Job Preston, E. G. Robinson, N. Gregory, H. S. Bellamy, W. Fisher, G. R. Airey, E. A. Craven, J. C. Gibson, H. Antcliffe, E. G. Douthwaite, O. A. Hollingworth, and T. A. Westbrook.—A meeting of the Bradford Chemists' Association was held on November 14 at the Great Northern Hotel, Mr. Marmaduke Firth (President) in the chair. There were also present Mr Holmes (Treasurer), Mr. W. E. Metcalfe (Secretary),

Alderman Henry Dunn, and Messrs. Ashley, Bracewell, Butler, Calvert, Carson, Deighton, Elbourne, Gordon, Green, Hanson, Heyworth, Holroyd, Jackson, sen., H. Jackson, W. K. Jackson, Jolly, Lord, F. Metcalfe, Priestley, Granville Shaw, Silson, Simpson, Smithies, Sutcliffe, Walker, and Wilcock. Mr. Woolcock went over the same ground as at those other meetings.

The Burning Topic.

No need to rake up ancient tomes,
  Archaic essays to prepare,
On "Beauty-creams found in the Homes
  Of Egypt's Prehistoric Fair."
The subject of all subjects still
Is "We—and the Insurance Bill."

Small need to whip up laggard speech,
  Each secretary broadly beams,
His herd, they each, un-urged, impeach
  Or praise, or blame, as best beseems
Their point of view. They take their fill
Of this bold, bad Insurance Bill.

No furrow wrinkles Richard's brow.
  The Bloomsbury calm, unstirred remains
(Though icy blast o'er Fifeshire Knowe
  Presages sharp neuralgic pains);
And undisturbed They work their will,
While We discuss th' Insurance Bill.

Ah, Chancellor from gallant Wales,
  A mighty miracle you've wrought;
E'en Ugloh's radiance dimly pales,
  For brethren who before had fought;
United stand and chorus shrill,
"Look out for that Insurance Bill!"

Public Pharmacists' and Dispensers' Association.

A Meeting of the Poor-Law Section of this Association was held on November 14, in the Board Room of the Holborn Guardians, 53 Clerkenwell Road, London.

Salaries of Public Dispensers.—The chair was occupied by Mr. F. Noad Clark (Paddington) who, at the outset of the proceedings, explained that the special business down for consideration was the position of infirmary dispensers with regard to status in the public service, and also whether or not pressure should be brought to bear upon the Local Government Board to authorise an increase in the minimum and maximum rates of salary paid to those employed by guardians in the metropolitan area. The Chairman said that, if only for the sake of prestige, the dispensers must have some recognition.

Mr. G. W. Gibson, Hon. Secretary of the Section, explained that a committee had considered the whole question, and had passed a resolution to the effect that an effort be made to raise the status of infirmary dispensers to that of first-class officers, and to obtain the opinion of the members on the matter. In accordance with a request made to him he had made investigations as to the salaries paid to infirmary dispensaries in the provinces. The information he had received showed that the highest salary is 260*l.*, and that the others ranged down to 190*l.*, as the maximum in each instance.

It having been agreed, on the Chairman's suggestion, that there should be common agreement that an improvement in status is desirable, a lengthy discussion took place on a proposal for a re-arrangement of the salaries as to the minimum and maximum amounts, and by which the present increase of 10*l.* should date from the time of appointment, and not after four years' service as at present.

The Chairman remarked that other Poor-Law officers were more in contact with guardians, and never hesitated to magnify the importance of their positions. Infirmary dispensers, on the other hand, rather hid their light under a bushel. He urged them to be more on the alert.

Mr. Lindsay, comparing the position of the dispenser with that of a clerk under a public body, said that that of the latter is 50 per cent. better, for the reason that he has always a prospect of promotion. He advocated an increase in the maximum scale of salary. Dealing with the Insurance Bill, Mr. Lindsay said that the members of Poor-Law Medical Officers' Association were anticipating a reduction of their salaries as a result of its becoming law. Indeed, they had, in a letter to the President of the Local Government Board, requested that they should be allowed to retire now, if they so cared, in order that their superannuation allowances should be based upon the salaries presently paid them. He could not help feeling that when the Insurance Bill passed, it would not benefit public pharmacists.

Mr. Gibson pointed out that while the Insurance Bill might affect those in out-door dispensaries, those in infirmary dispensaries would not be touched, as their services would be required as much as ever.

Mr. Smith, Mr. Colbeck, Mr. Dunstan, Mr. Millar, and Mr. Russell each expressed the opinion that the minimum salary should be fixed at 150*l.* and the maximum at 250*l.* Mr. Jones (Poplar), in supporting this view, thought that the establishment of central dispensaries under the Insurance Bill is inevitable. The average chemist, he said, would not care to do dispensing under the conditions experienced by the Poor-Law officials.

Mr. Hewitt, Mr. Gibson, Mr. France, and the Chairman supported a suggestion that the minimum salary asked for should be 140*l.* and the maximum 230*l.* A division on the two points of view showed the meeting to be very evenly divided—9 voting for the suggested higher scale, and 8 for the lower. The last show of hands gave a majority of two in favour of the lower scale. After some further discussion a proposition was adopted to the effect that the annual increase of 10*l.* should date from a year after appointment, instead of after four years as at present. It was also agreed that immediate action be taken to press forward the foregoing suggestions to the notice of the President of the Local Government Board.

Edinburgh District Chemists' Trade Association.

The opening meeting was held at 36 York Place, Edinburgh, on Thursday, November 9, Mr. Thos. Stephenson, F.C.S., F.R.S.E., in the chair.

The Chairman referred to the death of Mr. James Laird, a member of the Association, and the Secretary was instructed to write a letter of condolence to his widow.

The following were admitted members of the Association:

John Wright, 160 Fountainbridge.
H. M. Robin, 16 Leven Street.
D. B. Richardson, 158 Dalkeith Road.
Jas. Mackenzie, 45 Forrest Road.
Robert Hardy, 18 Roseburn Terrace.
Wm. Steedman, 142 Marchmont Road.
H. B. Wyllie, 19 Grassmarket.
J. McGregor Morrison, 72 Elm Road.
James Finlay, 302 Morningside Road.
John Morrison, 177 Dundee Street.
J. G. Sclater, 96 Easter Road.
Jas. Dick, 19 Parsonsgreen Terrace.
D. M. Forsyth, 13 Bristo Street.

The Chairman explained that these elections were the result of a circular letter which had been sent out by the Secretary. He also reported on the B.P.C. meeting at Portsmouth, and Mr. Muir reported on the deputation which waited on the Scottish M.P.s at Westminster.

The Chairman's Address.

Mr. Stephenson said that instead of giving them an opening address it had been decided to discuss the question of a tariff for medicines, and make the meeting an open one. But he wished in the first place to say a few words about the work done by the Association. They occupied a position quite different from that of the Pharmaceutical Society. They looked after the commercial interests of the pharmacist; they devoted themselves entirely to looking after what were called trade affairs. They only met when there was anything important to discuss, and the work of the Association was done by the committee, particularly by the Secretary, who watched over and kept an eye on everything likely to affect the commercial side of pharmacy, and brought it before the committee. The result was that not only did the members benefit, but the whole of the Edinburgh pharmacists

benefited. Therefore it was most desirable that an Association of this character should be supported by every pharmacist in business in Edinburgh and district. There were other reasons why every chemist in business should be a member—*e.g.*, they expected shortly to issue a local formulary which would be not only a great help to them in their business, but it was bound to grow in future, and it would become valuable as a sort of supplementary Pharmacopœia, and relied upon by medical men in prescribing.

A Tariff for Medicines.

Mr. C. F. Henry then opened the discussion on this subject, and spoke on "some considerations which should be taken into account in fixing a tariff for the dispensing which will require to be done under the National Insurance Scheme." He advocated a fairly high tariff, because of the nature of the work to be done. Dispensing was onerous and responsible work—skilled labour of the highest class. To guard against grave errors in dispensing, dispensers had had to gain special knowledge, and that should be taken into consideration in any scheme of remuneration. As to what that scheme should be he indicated three methods. The first was the old method of pricing according to the size of the mixture, as was adopted in the last price-list issued by the now defunct Edinburgh Price-list Committee. It had simplicity as a recommendation. At one time it varied not only relatively to the size of the mixture, but to the number of doses contained in the bottle, a method still adopted in the Liverpool Chemists' Price-list. In such a tariff provision required to be made for cases where expensive ingredients were prescribed, and the sum of the retail prices of the various ingredients, *plus* one penny for each ingredient, or *plus* sixpence for the dispensing-fee, should be the charge. The second method was to price each ingredient separately, as in the Edinburgh Parish Council, and that at a very low rate, and charge the mixture accordingly, allowing nothing for dispensing. They would agree that that method was not fair to the craft. It was like pricing a building according to the cost of the stones, mortar, wood, and nails used, allowing nothing for the workmen's time or skill. The third method was to price each ingredient separately, and make a charge for dispensing. That was the method he thought should be adopted. He suggested that the present Liverpool Price-list, with alterations to meet the rise or fall of the market since publication, should be charged, with sixpence additional as a dispensing-fee. That method could also be applied to lotions, injections, gargles, and ointments. He also gave figures for pills and powders.

Mr. C. A. Macpherson, in the course of his remarks, said the plea for a general tariff could be well supported, not only because it would conserve the business interests of pharmacists in other than insurance work, but in the interests of insured persons themselves, and also of the economical administration of the funds. To place the fixing of the scale of prices in the hands of the local Health Committees was rather a one-sided affair, seeing that the composition of these committees was such that the recipients of the benefits were represented by a preponderating majority, while the purveyors were very inadequately, if at all, represented. The tariff should be based on well ascertained facts, and all averages should be taken from as wide an area as possible. For that purpose he regarded as valueless the data obtainable from club or institutional practice as presently carried on, as the existing conditions were widely different from those which the Bill would bring into force. The facts were most likely to be got from ordinary business transactions. He gave a sketch of a plan contained in a reply to a letter which he received from Mr. Lyell, M.P., which he submitted now for consideration, but if there was any better way, it would be welcomed. He, however, claimed that it was fair to all parties, and so simple that there could not be any real difficulty in carrying it out. He suggested that a standard wholesale drug price-list should be taken, and to add to the prices there given either a general percentage of, say, 100, or the goods might be divided into three classes, according to the frequency of their use, adding 50 per cent. of their wholesale cost to those used most often, 100 per cent. to those used less often, and 150 per cent. to those seldom used. The classes could be arranged by taking one or two particular drugs as types for each class, and grouping all others round them. The prices arrived at would be held to cover all establishment charges, and be those charged when dispensed in bulk without compounding. Quantities less than that at which the price was calculated should have a fraction added. When compounding was required, the various articles used would be charged at proportional prices, according to the quantity at the rate allowed for, the nearest quantity in the bulk scale, and the total obtained would be increased by a small fee for compounding, together with what might be termed a clerical fee—a trifle allowed for transcribing the prescription, etc., which should also be added to each article handed over at bulk prices. The compounding-fee could be fixed by ascertaining how many mixtures could be compounded on an average in an hour, how many lots of pills, quantities of ointments, etc., and taking payment at the rate of 1*s.* an hour. It would be necessary to divide the liquids sold retail by measure into classes—those having a sp. gr. below 0.9; those between 0.9 and 1.1; and those above 1.1. For the first 20 fl. oz. could be taken as equal to 1 lb., for the second 16 fl. oz., and for the third 12 fl. oz. To work the scheme the medical practitioners would be supplied with books of consecutively numbered prescription forms, having similarly numbered counterfoils on which the prescriptions could be written in duplicate, one being given to the patient to get dispensed, and the other kept by the doctor as a memorandum. The pharmacist, after dispensing, would retain and file the prescription, and transmit it with the others and the account to the National Insurance Office on the first day of each month, and payment could be made quarterly. The doctor could, if thought necessary, transmit monthly the counterfoils of prescription forms he had issued. Each prescription should bear the name, address, and register number of the patient, and be signed by the doctor. The price-list could be issued yearly by the Insurance Commissioners to the approved pharmacists, and no intermediate alterations need be made unless there should be some very great change in the wholesale price of an article, when slips could be issued, or a notice put in the "Gazette," showing the change. Proprietary articles should be charged at the retail prices fixed by the proprietors, and if there were no special retail price, then at a price based on the wholesale price as stated in their price-lists. Bottles and pots should be charged extra at ordinary prices.

The discussion was continued in private, and at the close the following resolution was adopted: "That this meeting approves of a universal tariff of medicines throughout the country, and that the matter be referred to the committee of the Association to be dealt with and reported to next meeting."

Social Gatherings.

Bath Pharmaceutical Association.—The President and Mrs. Luther Wilson entertained the members of this Association to a social evening at their residence, 28 Brock Street, on November 9. About thirty members and friends accepted their invitation, and spent a very pleasant evening. A whist-drive resulted in prizes being won by Mrs. Pryke and Mr. E. Williams, and after supper a concert was organised. Mr. and Mrs. Wilson were thanked for their hospitality.

City Mills Cricket Club.—The fifty-second annual dinner was held on Saturday at the Langhome Rooms, Stratford, under the presidency of Mr. David Howard, J.P., who was supported by Mr. B. F. Howard, Mr. G. E. Howard, and some sixty members and friends. The club, as shown by the report presented by Mr. W. King (Hon. Secretary), is in the most flourishing condition. The Chairman, in proposing the toast "Success to the City Mills Cricket Club," made a most humorous speech, set up with many cricketing expressions. The gathering was a great success from end to end.

Salford Pharmacists' Association.—About one hundred members and friends were present at the annual dinner of this Association, which took place on November 15 at the Cattle Market Hotel. Mr. D. A. Cargill (the President) occupied the chair, and was supported by Councillor J. Jones and Mr. E. H. Simons (Vice-Presidents), and Mr. C. Brown, Mr. J. Lyle Davison (Hon. Secretary). The Manchester Association was represented by Mr. A. E. H.

Blackburn (Vice-President), and the Stockport Society by Mr. F. H. Bowden (President) and Mr. W. P. Orrell (Vice-President). There were also present Messrs. R. J. Reynolds, J.P. (British Drug Houses), A. H. Barlow (Bengers', Ltd.), F. W. Bates, F. Robinson, H. Stacey Hall, J. Cleworth, C. Heath, Vallance, Franklin, and Clegg, and Mr. E. T. Lewis (Messrs. Evans Sons Lescher & Webb). The President submitted the only toast of the evening, that of "The King and Members of the Royal Family," the rest of the evening being given up to an excellent programme of music.

Chemists' and Druggists' Society of Ireland.—On November 9 Mr. Robert Cambridge (President) and Mrs. Cambridge gave a reception in the Shaftesbury Café, Belfast, to members of the Society and friends. The company, which numbered over one hundred, included Messrs. J. H. Haslett, S. Gibson, J.P. (ex-President of the Society), W. J. Gibson (Hon. Treasurer), W. J. Rankin and R. A. Jamison (Hon. Secretaries), J. Sandford (Portadown), J. S. Balmer (Bangor), J Walsh, S. Suffern, J. D. Carse, J. Frackelton, J. Guthrie, J. Richardson, W. Martin, F. Lindsay, D. Manson, Jas. Macauley, D. H. McMullan, A. W. Stevenson, D. O. Perry, S. McDowell, W. Chapman, E. J. Roberts, John Gray, W. T. Wilson, and Dr. John Hutchinson. There were also many ladies present. The President welcomed the guests, and said that since he had been elected President his one regret had been that he could not get into closer touch with all the members, but with a membership all over Ireland this was not altogether possible. The various committees worked energetically and harmoniously for the common good, and in the Hon. Secretaries (Messrs. Rankin and Jamison) they had faithful sentries ever ready to sound the alarm when danger threatened. After tea a musical programme was gone through and greatly enjoyed. Miss Walsh contributed two pianoforte solos, and Mr. J. D. Carse (a member of the committee of the Society) recited "The Battle of Flodden." The Empire Nigger Troupe, composed of young men in the service of Messrs. Gibson, gave selections, in which topical trade-hits were introduced. The Chemists and Druggists' Orpheus Orchestra, under the *bâton* of Mr. McDowell, contributed several items to the programme, and also played during tea. At an interval in the proceedings Mr. Samuel Gibson, J.P., moved a vote of thanks to Mr. and Mrs. Cambridge, which Mr. Cambridge acknowledged. The singing of the National Anthem concluded the proceedings.

Western Pharmacists' Association.—The twenty-second annual dinner was given at the Restaurant Frascati, Oxford Street, W., on Wednesday evening, November 15. The President (Mr. William Browne) had supporting him Mr. C. B. Allen (President of the Pharmaceutical Society), Dr. J. Macdonald Brown, Dr. H. M. Abbot-Anderson, Mr. John D. Marshall, Dr. Gunter Alderton, Mr. Alsett Baldwin, F.R.C.S., Dr. H Chatterton, Dr. Bell, Dr. J. Herbert Dixon, and the following Councillors: Messrs. E. White, J. Harcombe Cuff, F. A. Rogers, and E. T. Neathercoat. The Secretary (Mr. R. Bremridge) and Assistant-Secretary (Mr. Chater) were also at the top table. The chairmen of the spur tables were Messrs. J. T. Barrett, C. T. Allen, H. Raithby Procter, and H. E. Lownsbrough. Among others present were Messrs. A. R. Arrowsmith (Apollinaris Co., Ltd.), F. W. Ashton (Idris & Co., Ltd.), C. W. Martin, R. D. Dixon, and A. B. Britton (S. Maw, Son & Sons), R. R. Bennett, F. W. Gamble (Allen & Hanburys, Ltd.), Charles Brooks (American Drug-stores Co.), Lionel Cooper (Chas. H. Phillips Chemical Co.), J. Cofman, F. W. Crossley-Holland (Menley & James, Ltd.), H. B. Everson (Hopkin & Williams), Alan Francis (The British Drug Houses, Ltd.), V. C. Hewlett (C. J. Hewlett & Son, Ltd.), H. Hickey (Parke, Davis & Co.), Sydney Jamieson (Syrolit, Ltd.), E. F. Shackleford (Cresswell Bros. & Schmitz), H. J. Kluge, G. J. Knight, F. L. K. Loxley, Filmer de Morgan (W. Martindale), H. Lucas (South of England College of Pharmacy), F. Naylor (President of the Chemists' Assistants' Association), C. A. Noble, W. S. Northey, J. W. Royle (Ingram & Royle, Ltd.), C. S. Presant (Sangers'), W. E. D. Shirtliff, E. F. Strickland, N. H. Schollar, T. W. Theakstone (Prichard & Constance Wholesale, Ltd.), F. W. Warrick and E. Warrick (Warrick Bros.), R. L. Whigham and H. S. Wilkes (Savory & Moore, Ltd.), and T. R. Williams (Wright, Layman & Umney, Ltd.). Grace before and after dinner was said by the Rev. W. L. Breakey, and after "The King" had been toasted, Mr. C. T. Allen (Vice-President of the Association) proposed "The Pharmaceutical Society," to which his father replied. In the course of his speech, Mr. C. B. Allen, referring to the Insurance Bill, said that so far as pharmacists are concerned the Bill is practically law. The medical men had triumphed over the Chancellor, and he was sure the doctors would not grudge pharmacists the same privileges under the Bill as they themselves had secured—viz., representation on the Insurance Committees or the right to act as advisers. "The Western Pharmacists' Association" was proposed by Dr. J. Macdonald Brown, who fully maintained his reputation as an after-dinner *raconteur*. He also animadverted on the peculiar circumstance that his toast was in the hands of two Browns, but the President of the Association (to whom he paid high tribute) got the better of him by adding an "e" to his cognomen. The Chairman replied in a brief and modest speech, in which he attributed the growing success of the Association to the whole-hearted and enthusiastic work of the Secretaries, past and present. Mr. John D. Marshall gave "The Medical Profession," and Dr. Abbot-Anderson and Mr. Alsett Baldwin replied. The final toast, "The Visitors," was given by Mr. J. T. Barrett, and it was replied to by Dr. J. Herbert Dixon. A musical programme was carried out by Miss Ruby Wilson, Messrs. Arthur Mortimer, Walter Walters, Wilson James, and Charles Wreford.

AT THE COUNTER.

Mr. H. F. Rome, of Bakewell, recently had a little girl-customer whose order was: "Please, I want a penneth of that there sticking-plaster, and its like yer face, ye can wash it." Flesh-tint waterproof court-plaster filled the bill.

A Counter Conversation which happened in North London is printed below:

Servant Girl: A box of dog-pills, please.
Chemist: Yes, what kind?
S. G.: Why, dog-pills. Pills for a dog.
C.: Yes, I know. Which kind of pills?
S. G.: He's a collie.
C.: But what's the complaint?
S. G.: There's no complaint.
C.: Is it for worms (whisper)?
S. G. (indignantly): No, indeed, nothing of the kind.
C.: Well, what's the matter with the dog?
S. G.: Nothing the matter; nothing whatever.
C.: Then what's he want any pills for, whatever?

Sherley's book supplied, and girl comes back later for cough-pills.

Camel Transport in Tripoli.

The photograph from which this engraving is made was taken by Mr. Herbert F. Baldwin, special correspondent of the Central News, Ltd., who has just returned from Tripoli. Mr. Baldwin, in a letter to Messrs. Burroughs Wellcome & Co., gives some interesting details of his photographic work which are interesting to chemist-photographers. He writes: "In the whole course of my experience I have never had to develop under such adverse conditions, most of my developing being done at night in my hotel bedroom, with only a very scanty supply of water and no facilities for washing, having to leave the films soaking all night in what was by morning lukewarm water, but am glad to say I never had one case of frilling after giving them a bath in your alum-hardener. One point I should like to emphasise is the great rapidity with which 'tabloids' dissolve. I had to use the butt-end of my tooth-brush to stir them up, and empty soda-bottles as measures. On one occasion I developed in the open air at night by the side of a well, with equally good results." It was "Rytol" that he used to develop his negatives.

Commercial and Produce Notes.

Seychelles Vanilla.

In the annual Colonial report on Seychelles for 1910 the Administrator has an interesting paragraph in regard to vanilla. He states that "a moderate crop only of vanilla was harvested. Vanilla-plantations are being gradually restricted to the higher zones of the mountains owing to successive dry seasons. With the legislation in France and the United States restricting artificial substitutes, there has been a continuance of the remunerative prices of the past two years, and as there is a growing reluctance on the part of manufacturers to use vanillin there seems no reason why vanilla cultivation should not continue to form one of the principal industries of the Colony. I am aware that this opinion is contrary to that of a number of experts. When in England in 1907, I was told by a distinguished man of science, whose researches have been mainly connected with tropical products, that plantation vanilla was in its death-throes. In that year the Seychelles crop realised a million rupees: the price rose steadily (apart from a temporary drop in 1908), and good prices have ruled ever since. It is not as if vanilla has to be cultivated at the expense of less capricious products: the orchid will grow and thrive where coconuts and rubber will not. It is true that the yield fluctuates considerably, but even the famine harvest of 1909 (11 tons) realised over Rs. 200,000, and was third in value in the exports for that year." The exports in 1910 were 26 tons, valued at Rs. 450,289.

Bulgarian Otto of Rose.

The following information is from the report by H.M. Vice-Consul at Sofia on the trade of Bulgaria in 1910, which will shortly be issued: "The yield of otto of rose for the district known as the Valley of the Roses, where some 7,000 acres are under cultivation, amounted in 1910 to 5,550 lb., valued at 148,000*l.*, an average of 26*l.* 15*s.* per lb., as against 11,000 lb., valued at 184,000*l.*, an average of 16*l.* 15*s.* per lb., in 1909. The 1911 crop has suffered from frost, and the price of the petals has risen from ¾*d.* to 2*d.* per lb. . . . Owing to the deficiency in the last crops, and to the great demand, adulteration has reached such a pitch that the local authorities, who declare themselves unable to stem the smuggling into the district of the oil of geranium, sold in the market at 10*s.* per lb., propose to withdraw the prohibition against its introduction, so that the mixture may become a recognised article of trade and buyers take their precautions accordingly."

Cinchona Bark Analyses in Java.

The current issue of the "Java-Bode" mentions a curious difficulty that is apt to arise in tropical countries owing to the lack of professional analytical chemists. It is well known that cinchona cultivation must be controlled largely by the results of analysis of barks from the trees under cultivation. In Java this work was formerly undertaken for planters by the Cinchona Experiment Station, and when this was given up planters were at a loss how to proceed. Dr. Commelin, who was formerly employed at the Experiment Station, pointed out in "Cultuurgids" that this work could very well be done on the plantations, and that planters could buy the necessary outfit from Europe for about 12*l* 10*s.*, but, unfortunately, he did not explain to planters how the work was to be done, and the "Java-Bode" intimates that planters are anxious to hear from him as to how the outfit is to be got, and what they are to do with it when it has been purchased.

The German Spirit Centrale and "Outsiders."

Negotiations have from time to time taken place between the German Spirit Centrale and the independent concerns, especially the Associated North and South German Spirit Works, formerly Bast of Nuremberg, with a view of inducing them to join the Syndicate. Such attempts have proved heretofore abortive, because of the impossibility of coming to terms, but the renewed negotiations lately carried on by the Centrale with the few last "outsiders" are said to be more promising. The shares of the "East German Spirit Works" have recently been absorbed by other spirit-manufacturers, so that the other questions now the subject of negotiations are confined to the lease of the Bast Company and the lease or absorption of a firm in Schlawe, as well as of the firms Arthur Wolff, in Breslau, and E. Jacoby, in Augsburg and Regensburg. Should these negotiations be successful the "Ring" will then be complete. As matters now stand, and in view of the partly highly complicated organisation of the industry, a compromise between the Centrale and "outsiders" should prove advantageous to either side. At the same time it would be desirable, with the eventual completion of the Ring, if means could be found to put an effective check on any attempt to exploit the commanding position of the Centrale—this in the interest of the large number of consumers in the various districts. It is suggested that an improvement in that direction could only be expected to result from a newly elected Parliament, and a consequent change in legislative measures in the mutual interests of the distilleries. The present high prices ruling for spirit—chiefly the outcome of fears that the potato crop would turn out very poor—already threaten to seriously curtail consumption. Partly because of the latter fact, and partly owing to the yield of the crop being materially larger than was anticipated (the crop being as a matter of fact even described in many quarters as excellent), it is suggested in certain districts that there is just a possibility of spirit prices being reduced by the Centrale in the second half of this month.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of October, and to the stocks on October 31. As the figures are collated several days before the close of the month, they are only approximate in some instances.

—	October		Stocks		1911	
	Landed	Delivd.	1911	1910	Imprtd.	Delivd.
Aloes.....cs. etc.	69	158	1,316	1,132	1,768	1,735
,, ...gourds	—	—	1,092	1,572	1,181	1,594
Anise, star.....cs.	—	—	57	—	100	73
Arrowroot.....pkgs.	2,699	1,182	3,735	4,411	8,805	9,321
Balsams .....cks.	4	28	162	506	52	318
Calumba.....pkgs.	278	294	969	254	2,541	1,726
Camphor..... ,,	753	842	2,511	1,194	8,271	6,948
Cardamoms ... ,,	192	404	1,106	1,273	3,915	3,586
Cascara sagrada tons	—	17	292	371	65	160
Cinchona.....pkgs.	625	796	3 935	4,561	4,826	5,243
Cocculus indicus ,,	—	—	—	—	—	—
Cochineal.....bgs.	193	121	267	390	445	486
Cubebs..... .. ,,	145	95	194	354	546	660
Dragon's-blood pkgs.	40	24	107	245	152	281
Galls..... ,,	170	468	2,103	1,009	3,718	2,691
Gums—						
Ammoniacum ,,	—	5	19	4	22	7
Animi ..... ,,	71	160	392	419	843	828
Arabic..... ,,	976	1,052	3,676	6,613	7,803	12,441
Asafetida ..... ,,	9	144	948	290	1,608	1,391
Benzoin..... ,,	92	172	271	586	1,340	1,569
Copal ..... ,,	3,393	4,480	26,016	19,506	44,435	39,331
Damar ..... ,,	1,312	1,101	5,490	5,613	8,692	8,758
Galbanum ..... ,,	—	—	—	—	—	—
Gamboge..... ,,	8	31	141	155	247	275
Kauri.....tons net	41	105	372	361	572	522
Kino .....pkgs.	—	5	29	44	—	12
Mastich..... ,,	—	3	19	39	27	35
Myrrh, E.I. ... ,,	—	37	375	296	390	290
Olibanum..... ,,	112	90	789	293	1,170	670
Sandarac..... ,,	53	143	721	436	1,244	1,341
Tragacanth.... ,,	1,243	1,771	4,117	3,794	16,655	15,801
Indiarubber.....tons	1,192	1,256	1,608	1,496	10,009	9,835
Ipecacuanha—						
Cartagena....pkgs.	1	4	†25	166	40	124
E.I.... . ..... ,,	—	10	†18	19	165	200
Matto Grosso ,,	36	14	†70	61	84	87
Minas..... ,,	—	8	†19	41	88	102
Jalap ..... bls.	—	16	129	12	460	372
Nux vomica....pkgs.	36	16	165	1,813	1,028	1,448
Oils—						
*Anise, star.....cs.	20	11	19	4	99	115
*Cassia ..... ,,		5	34	21	65	47
Castor.....pkgs.	173	144	144	112	872	877
Coconut.....tons	71	67	241	1,071	968	1,132
Olive.....pkgs.	172	241	1,596	1,471	2,762	2,591
Palm .....tons	10	10	31	—	100	69
Quinine.....lb.	9,062	5 869	217,305	232 038	71,035	84,121
Rhubarb.....cs.	10	96	258	472	272	513
Sarsaparilla.....bls.	61	42	293	454	613	762
Senna..... pkgs.	463	654	2,150	2,265	3,847	4,658
Shellac..... . cs.	2,263	4,029	100,022	89,270	40,677	36,991
Turmeric .....tons	7	84	375	362	575	375
Wax—						
Bees'.....pkgs.	896	852	2,828	1,936	6,203	5,264
Vegetable.....cs.	—	70	576	524	1,093	972

* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

† The stocks of ipecac. were those in the warehouse on November 1, as given in the *C. & D*

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., November 16.

BUSINESS has been extremely quiet on the chemical and drug markets, but the bulk of price changes continues in favour of sellers. Sugar speculators, pending further developments in their own market, have now turned their attention to quinine (principally Java), and quite a large business has been done, resulting in an advance of fully ½*d.* per oz. on that description. Menthol is firmer, principally on account of the fact that Hamburg "bear" sellers are endeavouring to cover; meanwhile spot prices are somewhat irregular. Chloroform has been reduced 4*d.* per lb. owing to competition. Codeine is nominally higher, inasmuch as convention makers are not actual sellers at the scale prices. Morphine remains very firm and opium is steady. German refined camphor is ¼*d.* per lb. higher, and Japanese refined has been more active at firmer rates. In essential oils, star-anise is a shade easier, owing to goods near at hand. Cassia is quiet, as is lemon oil. Japanese peppermint oil is dearer, being also the subject of inquiry from Hamburg. Other changes include a substantial advance in copper sulphate. Cinchona sold at full rates at auction. Colocynth-pulp has again been active. Copaiba is firmer, and ergot the turn easier. Linseed oil and turpentine are cheaper.

Higher	Firmer	Easier	Lower
Camphor (German refined)	Copaiba	Anise oil (Star)	Chillies
Copper sulphate	Gambier	Cumin seed	Chloroform
Quinine (sec. hands)	Menthol	Lemon oil	Ipecacuanha (Minas)
	Peppermint oil (Jap.)	Pepper	Jalap
		Turpentine	Linseed
			Linseed oil

Cablegram.

New York, November 16.—Business in drugs shows an improved feeling. Opium is dull at $7.75. Hydrastis is easier at $5.00 per lb. Peppermint oil in tins is quiet at $2.90. Copaiba balsam has advanced to 48c. Canada balsam is lower at $4. Cascara sagrada is steady at 9c. Ipecacuanha is firmer at $2.25 for Cartagena, and senega is firm at 58c. per lb.

London Markets

Anise Oil, (Star).—With a few arrivals taking place the market is perhaps not so firm. "Red Ship" brand can be bought on the spot at 5*s.* 10*d.* to 5*s.* 10½*d.*, and there are second-hand sellers at 5*s.* 3*d.* c.i.f. for November-December shipment.

Aniseed.—Ordinary quality of Russian is selling at 30*s.* per cwt. on the spot. Spanish is quoted at 35*s.* per cwt.

Asafetida.—At the auction on November 30 it is expected about 180 packages Persian Gulf will be offered.

The exports from Bunder Abbas (Persian Gulf) during the year from March 21, 1910, to March 20, 1911, amounted to 6,879 cwt., against 527 cwt. in 1909-10 and 2,124 cwt. in 1908-09.

Bergamot Oil (new crop) continues to be offered at 20*s.* 6*d.* per lb. c.i.f. for December-March shipment for 38 per cent. esters. A Palermo advice on November 11 reports a firm market.

Camphor (Refined).—German refined has been advanced ¼*d.* per lb. to 1*s.* 9½*d.* for bells. English bells remain unaltered at 1*s.* 11*d.* for 5-cwt. lots. Japanese refined is firmer, business having been done in 2½-lb. slabs at 1*s.* 6¼*d.* c.i.f. for December-January shipment, and at 1*s.* 7¼*d.* c.i.f. for 1-oz. tablets; spot slabs have been sold at 1*s.* 6*d.* to 1*s.* 6¼*d.* In the drug auction four cases Japanese 1 oz. tablets and ¼ oz. were bought in at 1*s.* 9½*d.* per lb., and for a further 25 cases 1 oz. tablets 1*s.* 8½*d.* was wanted.

Canary-seed is dull of sale, but nominally unchanged in price at 45*s.* to 48*s.* per quarter for fair to good quality. Spanish is scarce and dear at 72*s.* 6*d.* to 77*s.* 6*d.* for fine bold.

Caraway-seed is steady at 27*s.* to 28*s.* per cwt. for fair to good Dutch on the spot.

Carbolic Acid.—Crystals are firm at 7½*d.* for 39° to 40° C. and 7¼*d.* for 35° C. Crude 60° is steady at 2*s.* 2*d.* to 2*s.* 4*d.* on the East Coast, and 2*s.* 1*d.* to 2*s.* 3*d.* on the West Coast.

Cassia Lignea.—At auction 100 bales sold at 35*s.* for broken mixed, being easier.

Cassia Oil is quiet, with 80 to 85 per cent. c.a. offering at 4*s.* per lb. spot and 3*s.* 10*d.* c.i.f.

Chloroform.—As a result of competition, the makers have reduced their prices by 4*d.* per lb. for *Pure B.P.*, and now quote from 1*s.* 2*d.* to 1*s.* 5*d.* per lb. according to quantity. Chloroform from *s.v.r.* is unchanged at from 5*s.* 5*d.* to 5*s.* 8*d.* per lb. as to quantity. Contracts have the benefit of the falling clause on either quality.

Cinchona.—At the London auction on Tuesday, 677 packages were offered, of which 440 sold, the average unit being fully $\frac{9}{16}$*d.* per lb. Of *East Indian*, 120 bales offered and 110 sold. Crown stem chips and shavings, 3*d.* to 3½*d.*; quilly chips, 3¾*d.*; and root, 3⅛*d.* to 3½*d.* Ten packages Ceylon offered and sold at 3⅞*d.* for Ledgeriana natural and renewed stem chips. *African.*—227 bales offered and 64 sold, comprising broken succirubra quill at 3⅝*d.* to 4⅓*d.*, and chips at 2½*d.* to 3*d.* per lb. *Java.*—320 packages offered and 170 sold, including Ledgeriana stem chips at 3⅞*d.* to 4*d.*, branch 3⅜*d.* to 3¾*d.*, root 3*d.* to 4*d.*, and hybrid stem 1⅞*d.* per lb.

Citronella Oil.—Ceylon is quiet at from 1*s.* 0½*d.* to 1*s.* 1½*d.* per lb. on the spot, and at 11⅛*d.* c.i.f. to arrive.

The shipments from Ceylon (January 1 to October 23) show a decline of 62,065 lb. against the corresponding figures of 1910—viz., 1,274,156 lb., against 1,336,221 lb. in 1910. The U.K. has received 556,070 lb., or 108,975 lb. less; the U.S.A. 384,078 lb., or 4,982 lb. less; the German imports being stationary at 187,841 lb.

Cloves.—At auction 25 bales fair (new import) Zanzibar sold at 5⅞*d.*, without reserve, being cheaper; during the week private sales have been made at 7¼*d.* and 6*d.* for new import. For arrival November-January is quoted 4⅞*d.*; January-March has been done at 4$\frac{15}{16}$*d.* to 5$\frac{1}{16}$*d.*, and March-May 5*d.* to 5⅛*d.*, closing to-day at 5$\frac{1}{16}$*d.* c.i.f.

Cocaine.—The makers' price remains firm at from 8*s.* 9*d.* to 9*s.* 1*d.* for hydrochloride according to quantity, and in second-hands 8*s.* 3*d.* to 8*s.* 4*d.* is quoted.

Codeine.—The makers are not actual sellers at the convention rates, and their lowest price is now 17*s.* 6*d.* per oz. for the pure alkaloid.

Cod-liver Oil.—The market situation in Norway remains quite unaltered, finest non-congealing Lofoten oil offering at 111*s.* 6*d.* per barrel c.i.f. terms.

Colocynth.—Again a very fair business has been done in *pulp* at from 6*d.* to 6½*d.* per lb., and stocks on the spot are now considerably reduced.

Copaiba.—Firmer. Business has been done up to 2*s* per lb. for filtered Maracaibo, and 2*s.* is also quoted to arrive.

Copper Sulphate is much dearer, the closing quotation for ordinary Liverpool brands being 20*l.* 15*s.* for prompt and 21*l.* for January-May delivery.

Coriander-seed sells slowly at 15*s.* to 15*s.* 6*d.* per cwt. for ordinary to good Morocco. Old crop Russian is quoted

18*s*. 6*d*. per cwt on the spot, and new crop 22*s*. 6*d*. c.i.f. terms.

Cream of Tartar is steady at 87*s*. for 98 per cent. and 85*s*. for 95 per cent. powder.

Cumin-seed is easier at 23*s*. to 24*s*. per cwt. for Morocco, according to quantity. Malta is quoted 31*s*. 6*d*. per cwt.

Fenugreek-seed is firm at 10*s*. to 10*s*. 6*d*. per cwt. for Morocco.

Lemon Oil is a slow market, last week's easier feeling being still apparent. Good brands on the spot are quoted 6*s*. to 6*s*. 3*d*. per lb.; for prompt shipment 5*s*. 9*d*. c.i.f. is quoted, and new crop for December-March shipment at 4*s* 9*d*. c.i.f., but buyers mostly hold aloof.

A Palermo advice of November 11 reports an unchanged market, with a small business for prompt; holders show no inclination to reduce their prices until the new crop comes in. So far little has been done in new crop. Buyers abroad continue to show great interest, but do not seem to have a clear opinion about the market, and often retreat when it comes to actual business. On the other hand, prices for new are unchanged, and so long as the fruit is not ripe growers see no object in forcing the sale of same.

Lemongrass Oil is firm, with small spot sales at 5*d*. per oz., and for arrival 4*d*. c.i.f. is quoted.

Lime Citrate.—The American Consul at Palermo reports that the total production of citrate of lime in Sicily during the working year 1910-11 scarcely reached 4,000 tons, while the total sales made by the Citrus Chamber are given at about 6,500 tons. The stock of old citrate of lime, which on November 30, 1910, was figured at 5,500 tons, will consequently be reduced to some 3,000 tons by the end of November 1911. Very small quantities of concentrated lemon-juice were produced, and the stock on hand at the Citrus Chamber is insignificant. The new lemon crop, it is stated, will be even shorter than last year. Nevertheless, it is confidently expected that the Citrus Chamber, which is still carrying a considerable stock of fruit over from last year, will not increase its prices for citrate of lime.

Linseed is again lower. The nominal value of good clean quality is about 67*s*. 6*d*. per quarter.

Menthol.—Firmer. Owing to the fact that Hamburg sellers have shown a disposition to cover bear sales of menthol and oil, the Mincing Lane market is on the *qui vive*, and more interest has been displayed. Case lots on the spot have been sold at from 27*s*. to 27*s*. 6*d*., but buyers have occasionally been able to pick up a trifle here and there from the provinces at below the above, but these do not constitute a market. To arrive, sales of October shipment are reported at 22*s*. 6d. c.i.f., and Suzuki for March-April shipment at 22*s*. c.i.f. for menthol and oil combined. At the close 25*s*. spot has been paid for Suzuki, and 16*s*. 9*d*. c.i.f. for January-March.

Milk-sugar.—In confirmation of what we wrote last week, we may state that offers are being made in one quarter to book contracts for April delivery at from 87*s*. 6*d*. to 90*s*. per cwt. for Continental make. On the spot small lots offer at 95*s*. per cwt. Meanwhile the present high rates have brought out offers of various small lots which have been in stock several years, and consequently the quality has deteriorated.

Opium.—The market remains steady, but very little business is being done, as sellers do not show any disposition to meet buyers; for 11½ per cent. 25*s*. 6*d*. c.i.f. is still quoted, but a counter offer at slightly less might lead to business. Persian is nominal at from 28*s*. to 30*s*. per lb. on the spot, but there is very little on offer.

A Smyrna correspondent writes on November 3 that the market has again been very active, with sales amounting to 72 cases at from 24*s*. to 26*s*. per lb., as to quality and crop, and ending at 24*s*. 6*d*. to 26*s*. 6*d*. To-day our market closes with buyers at above latter figures, and sellers asking 6*d*. per lb. more. The drought continuing and the money-market being somewhat more settled is the cause of this further strengthening of our opium position, and should consumers continue to respond to the daily higher pretensions of sellers we may expect to see prices as high as 28*s*. to 30*s*. before the end of the month. The arrivals amount to 892 cases, against 3,797 cases at the same date last year.

The exports of opium from Smyrna (according to a British Consular report) during 1910 amounted to 3,305 cases (240 tons), against 2,713 cases (190 tons) in 1909 and 1,207 cases (82 tons) in 1908.

Orange Oil.—Quotations this week are a shade easier, December-March shipment offering at 7*s*. to 7*s*. 3*d*. per lb. c.i.f.

The demand from abroad (according to a Palermo despatch of November 11) continues quiet, but the position in Sicily is somewhat firmer owing to local requirements and the firmness of growers; slightly higher figures had to be occasionally paid.

Peppermint Oil.—With inquiries from Hamburg for spot parcels, the market is firmer at 8*s*. per lb. for Kobayashi, 7*s*. 9*d*. having been paid and refused. Towards the close of last week Kobayashi-Suzuki for November-December shipment sold at 7*s*. 4*d*., and January-March at 6*s*. 10½*d*. c.i.f.

Quicksilver remains unaltered at 8*l*. 10*s*. per bottle from first and 8*l*. 3*s*. 6*d*. from second hands.

Quinine.—Dearer. Probably on the assumption that the price of quinine is very low and that the consumption increases, sugar speculators, who cannot do much in their own markets until December 8 (when the adjourned meeting of the Sugar Convention will be held), have turned their attention to quinine (principally Java), and it is reported that probably 150,000 oz. have changed hands on the spot. Buying commenced last Friday in a quiet way at 6$\frac{7}{16}$*d*. per oz. for Java, but by Wednesday 6⅞*d*. to 7*d*. had been paid and the market closes sellers at the higher figure. Also February delivery sold at 7*d*. For B. and S. and for Brunswick business has been done up to 7¼*d*.; also 7*d*. for Amsterdam. Various reports are current as to what is taking place in Java, a suggestion being made of another combination among planters, but such we think may be put down to market gossip. To-day 7½*d*. has been paid for German from makers, and 7⅛*d*. for Amsterdam.

At the auction held at Amsterdam on November 10, 1,417½ kilos. (50,000 oz.) Ed. II. were sold at the average price of fl.10.54 per kilo., against fl.10.33 at the previous auction. The next sale will be on November 24, when a similar quantity will be offered.

Santonin.—One of the agents reports that his principals write that, the crop of worm-seed having been extremely poor this season, a further advance would not be surprising.

Shellac is quiet and unaltered, with fair T.N. orange offering at 65*s*. spot and sellers of December-January and January-February shipment at 64*s*. c.i.f. Futures show little change on the week, closing buyers of December at 64*s*. 6*d*. and March 66*s*.

Taraxacum.—The foreign root this year, judging from samples we have seen, is much below average quality, being exceedingly small and of poor break; 35*s*. c.i.f. is asked for such. English is being collected slowly, and is offered in limited quantities at from 36*s*. to 38*s*. per cwt.

Turmeric is steady, with retail sales of fair to good Madras finger at from 26*s*. to 27*s*. per cwt. Bengal is scarce, there being practically no stock, and of Cochin the sales include fair finger at 21*s*. and split bulbs at 15*s*. per cwt.

Turpentine has been quiet throughout, American closing at 34*s*. for spot.

Wax, Vegetable.—Japanese is unaltered at 41*s*. per cwt. on the spot. Business has been done for November-December shipment at 37*s*. 9*d*. c.i.f., but 38*s*. is now asked.

London Drug-auctions.

At the auction of new and old drugs the demand was poor, and a less proportion than usual changed hands. Cape aloes realised fully previous rates, and Curaçao where sold proved steady. Socotrine and Zanzibar aloes were not bid for. Areca was steady on sales without reserve. Buchu continues slack, with round leaf more plentifully offered. Balsam tolu is very firm. Siam benzoin is still strongly held, and for Sumatra rates were steady. Cardamoms, under the influence of fewer supplies and poor selection, brought very full prices. Calumba still sells at comparatively low prices. Cubebs and cuttlefish are neglected and in moderate supply. Fine reboiled dragon's-blood is in good demand. Ergot is a trifle easier, and eucalyptus oil steady. All the cheaper lots of gamboge have now been cleared. Honey quiet, the assortment of Jamaica being poor. California is held for a very high figure. Minas ipecacuanha was forced off at a decline of 1*s*. on the nominal private asking price. Matto Grosso and Cartagena are firmly held. Jalap was about 2*d*. per lb.

cheaper as compared with the previous sale without reserve. West Indian lime oil is steady. Myrrh quiet. Pareira brava of inferior quality was held for a high figure. Rhubarb more active at fully steady prices. Sarsaparilla was fully firm for both genuine grey Jamaica and native red. Tinnevelly senna was about steady, and beeswax showed no material change. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Aloes—		
Cape	47	47
Curaçao (boxes)	46	13
Socotrine (kegs)	51	0
Zanzibar	47	0
Ammoniacum	5	0
Annatto-seed	80	0
Antimony	54	0
Areca	94	37
Asafetida	36	0
Balsam Peru	2	0
Balsam tolu	2	2
Benzoin—		
Palembang	27	0
Siam	6	0
Sumatra	47	27
Buchu	54	3
Calumba	251	25
Camphor (Jap. ref.)	29	0
Canella alba	18	0
Cannabis indica—		
Bombay	9	0
Marmagoa	5	0
Cardamoms & seed	99	43
Cascara sagrada	100	0
Cascarilla	19	0
Castorum (tins)	3	0
Chamomiles	7	0
Cinnamon bark oil	6	0
Cinnamon-leaf oil	2	0
Civet (hrns.)	5	0
Coca-leaves	112	13
Colocynth-pulp	5	0
Cubebs	125	0
Cuscus	96	0
Cutch	167	0
Cuttlefish-bone	268	0
Dragon's-blood	57	8
Ergot	12	0
Eucalyptus oil	20	20
Fennel-seed	44	0
Galls (Pers.)	4	4
Gamboge	32	1
Guaiacum	9	0
Gum acacia	69	1
Honey—		
Californian	13	0
Haiti	15	15
Jamaica	13	3
N.Z.	88	0
West Indian	2	0

	Offered	Sold
Ipecacuanha—		
Cartagena	4	0
Matto Grosso	10	1
Minas	16	6
Jalap	18	18
Kamala	2	0
Kino	1	0
Kola	27	27
Lime-juice...(hhds.)	7	4
Lime oil	8	4
Mangrove bark	271	0
Myrrh	46	0
Nux vomica	10	0
Orris (Mog.)	1	1
Papaw-juice	3	0
Pareira brava	38	0
Peppermint oil (Jap.)	3	0
Puree	6	0
Putcha-leaves	47	0
Rhapontica	19	0
Rhubarb (China)	50	17
Rose oil ...(pots)	2	0
Rouge et noir beans	1	1
Sarsaparilla—		
Grey Jam	13	13
Lima-Jam	6	0
Native Jam.	4	4
Scammonium (bxs.)	3	0
Seedlac	167	0
Senna and pods—		
Alex.	43	0
Tinnevelly	184	89
Squill	21	0
Tamarinds (E.I.)	192	0
Tonka beans (Para)	7	1
Tragacanth	90	90
Turmeric	240	0
Wax (bees')—		
Abyssinian	94	94
China	25	0
East African	14	14
East Indian	18	0
Jamaica	3	3
Madagascar	345	3
Morocco	14	0
Mozambique	60	40
Spanish	20	0
West Indian	4	0
Wax carnauba	70	0

Aloes.—Cape, the only description sold, brought fully previous prices, as follows: Mossel Bay (usual 20-per-cent. tares), fair to good bright hard firsts, 33*s.* 6*d.* to 34*s.*; fair seconds, slightly dullish, 32*s.* 6*d.* to 33*s.*; ordinary hard dullish, part cindery, 30*s.* 6*d.* to 31*s.* 6*d.*; and ullaged 30*s.* 6*d.* to 31*s.* 6*d.* per cwt. Five cases dull coarse Curaçao sold at 40*s.*, Zanzibar in cases were limited at from 60*s.* to 70*s.*, and for Socotrine in kegs 65*s.* was wanted.

Antimony.—Fifty cases China crude were held at 16*l.*

Areca.—Steady; 37 bags common Java sold without reserve at 12*s.* per cwt.; 51 bags Ceylon were held at 16*s.* for more or less wecvilly and beardy.

Balsam Tolu.—Two cases rather ordinary quality in small (10-lb.) tins sold at 2*s.* 6*d.* Privately very little is now offered, the sales this week including 20 cases for the Continent.

Benzoin.—Six cases Siam offered, but nothing sold; 35*l.* per cwt. was wanted for small to bold loose selected almonds of good flavour, and 9*l.* for blocky dust, holders being very firm at these prices. Two cases common blocky Sumatra thirds realised 75*s.*, and 4 cases of good seconds well packed with small almonds sold at from 8*l.* 7*s.* 6*d.* to 8*l.* 10*s.* For 19 cases of fair almondy slightly false packed ends, 7*l.* 10*s.* was paid. A new lot 27 cases Palembang, partly consisting of good almondy firsts in small tins was bought in at 5*l.* 5*s.*, a bid of 95*s.* being refused, and for good seconds 95*s.* was the retiring price.

Buchu is a slack market. Two bales of fair green rounds slightly stalky sold at 4*s.* 3*d.*, and for a bale of good green longs 1*s.* 10*d.* was paid. Two bales very yellow and inferior round offered without reserve, eliciting no bids.

Calumba.—Quiet. For dark stemmy sorts a bid of 13*s.* is to be submitted for 20 bags. Five bags sea-damaged sold at 5*s.* per cwt., and 20 bags fair natural sorts at 20*s.* per cwt.; 27*s.* 6*d.* was wanted for the best lots.

Cannabis Indica.—Fair genuine Bombay tops were limited at 5*s.* 2*d.*, brownish Marmagoa tops at 4*s.* 2*d.*, and siftings at 4*s.* per lb. Privately there has been a fair demand for East African at between 1*s.* 6*d.* and 1*s.* 8*d.* per lb.

Cardamoms.—The small supplies met with a fair demand at very full prices, as follows:—Ceylon-Mysores, medium and bold long pale 3*s.* 5*d.*, bold-medium pale, 3*s.* 2*d.*; yellowish ditto 3*s.* 1*d.*, small and medium pale, 2*s.* 10*d.* to 2*s.* 11*d.*; yellowish 2*s.* 10*d.*, tiny pale 2*s.* 4*d.* to 2*s.* 5*d.*; yellowish 2*s.* 3*d.*; brown and split 2*s.* 2*d.* to 2*s.* 3*d.*; ordinary 2*s.*; Ceylon-Malabar (one case) 2*s.* 1*d.* *Seed* is scarce and very high prices paid privately.

Chillies.—At auction 76 bags Mombasa sold without reserve at 34*s.* for common yellowish, being cheaper. Fair bright Nyasaland were bought in at 48*s.* to 51*s.* per cwt.

Cinnamon Oil.—Six cases of Ceylon *bark* oil were held at 1*s.* 4*d.* per oz. and two cases *leaf* at 2⅛*d.* per oz.

Coca Leaves.—Various bids are to be submitted, including 10*d.* for 18 cases fair brownish-green Ceylon-Huanuco leaves; seven cases of small brownish Ceylon-Truxillo character sold at 7*d.*, and for six bales of ordinary brown ditto 5*d.* was paid.

Cuscus.—A bid of 6*s.* per cwt. is to be submitted for 52 bales of Ceylon.

Dragon's-blood.—A new lot of fine reboiled Singapore lump had been sold privately; 11*l.* 10*s.* was the valuation prior to the sale; six cases pickings from the above were bought in at 7*l.*; 25 cases so-called Zanzibar drop were bought in at 80*s.*, and for good *reeds* 9*l.* 10*s.* was wanted. Three cases dull bag-shaped lump realised 5*l.* 17*s.* 6*d.* per cwt. without reserve. Further sales have been made privately. Reboiled lump is much wanted, and further supplies of such would sell readily.

Ergot.—Four bags fair sound Spanish were held at 5*s.* 3*d.* per lb., 3 bags ditto at 5*s.*, and 5 bags Russian at 5*s.* Privately, market is slightly easier; 5*s.*, which is the spot price, might be shaded.

Eucalyptus Oil.—Twenty cases Australian (72 per cent. eucalyptol) sold at 1*s.* 2*d.* per lb. Privately, market is firm at from 1*s.* 3*d.* to 1*s.* 4*d.* for B.P. qualities and 1*s.* 6*d.* for Globulus. There has been a fair demand, little is offered from Australia, and there is little afloat.

Galls.—Four bags Persian blues sold at from 50*s.* to 52*s.* for fair.

Gamboge.—Quiet. A larger supply than usual offered, but only one case sold at 13*l.* per cwt. for Siam pipe of good orange fracture. The bulk of offerings was held for this figure. Privately there has been a fair demand, and all the cheaper parcels have been cleared.

Honey.—Dull of sale, very little Jamaica being offered; 3 barrels dark brown liquid realised 27*s.*, and for 15 packages Haiti from 23*s.* to 23*s.* 6*d.* was paid for partly common set. Fine amber and white setting Californian, in cases, was held at 60*s.*; very dark brown set New Zealand at 26*s.*, yellow set at 30*s.*, and good banana set at 37*s.* 6*d.* to 40*s.* per cwt.

Ipecacuanha.—The report that a consignment of East Indian was on the way has proved correct, the s.s. *Sunda* having brought the rather large quantity of 60 bales. This fact being known prior to the auction, buyers held off, and as one broker was anxious to make progress and had no limits, he disposed of 6 bales of Minas at from 8*s.* to 8*s.* 1*d.* for mostly ordinary dull wiry root, these prices being nominally 1*s.* per lb. lower. A single bale of fair bright natural Matto Grosso realised 8*s.* 8*d.*, but the bulk

of this description was held at 9*s*. 3*d*., which is also the price asked privately. Cartagena was held at from 9*s*. 3*d*. to 9*s*. 6*d*.

Jalap.—Lower in auction, 15 bags (9.44 per cent. Harrison's test) selling at from 11½*d*. to 11½*d*. per lb., no discount, and for 3 bags fair small to bold (10.01 per cent. resin-Hehner) 1*s*. was paid, no allowances or discount.

Kino.—A single case of fair reddish Cochin grain was bought in at 1*s*. 7*d*.

Kola.—Firm. A single bag of ordinary dried West Indian halves sold at 4*d*. per lb., and 26 bags Jamaica realised from 3¾*d*. to 4*d*. for fair, mostly bright halves, partly washed.

Lime-juice is quiet, with good raw West Indian offering at 1*s*. 4*d*. and fair at 1*s*. 3*d*. per gallon. In the drug auction 7 hogsheads Antigua were bought in at from 1*s*. 1*d*. to 1*s*. 4*d*. for dark to ordinary brown and St. Thomas (D. W. I.) at 1*s*. 2*d*. per gal. for common brown.

Lime Oil.—Steady. Four cases of fair West Indian distilled sold at 1*s*. 2*d*. per lb.; 1*s*. 3*d*. was wanted for the best lot.

Myrrh.—Fifteen packages of very blocky Somali sorts were limited at 50*s*., at which sales have been made privately; fair slightly blocky Aden sorts were offered at from 62*s*. 6*d*. to 65*s*. Brown Aden sorts are offered privately at from 57*s*. to 62*s*. 6*d*., and Somali sorts at from 50*s*. to 55*s*. per cwt.

Pareira Brava.—A lot of 38 bags inferior and wet root was limited at 5*l*. 10*s*. per cwt.

Puree.—For six cases of fair bright Calcutta 12*s*. per lb. was wanted.

Rhubarb in fair demand. The chief sales referred to High-dried, of which 10 cases sold at from 9*d*. to 9¼*d*. for medium to bold flat, dullish coat, with three-fourths greyish-pinky fracture; a case of medium round Canton with three-fourths fair pinky fracture sold at 1*s*. 5*d*. per lb. subject. Two cases bold round Shensi with three-fourths good pinky fracture had been sold privately. Four cases of small to medium flat High-dried, slightly wormy, with three-fourths fair pinky fracture, sold at 8*d*. to 8½*d*. per lb. without reserve.

Sarsaparilla.—Firm; 13 bales genuine grey offered and sold at 1*s*. 10*d*. per lb. for fair grey, part a little roughish, and 1*s*. 6*d*. for sea-damaged. Native Jamaica, being scarce, also realised firm rates, 4 bales selling at 1*s*. 1*d*. per lb. for good red and 10*d*. for dullish red. Six bales of Lima-Jamaica were held at 1*s*. 2*d*.

Senna was quiet and only partly sold; the bulk of the Tinnevelly was offered from second-hands, and only partially sold, including boldish green at 4½*d*.; small greenish, 3*d*. to 3½*d*.; middling greenish, 2¼*d*. to 2½*d*.; small common yellowish, 1¾*d*. to 2*d*.; and *pods*, 1¾*d*. to 2*d*. per lb. No Alexandrian sold.

Tonka Beans.—A small case of mostly ordinary and foxy Para sold at 4*s*. 6*d*. Good frosted Para were bought in at 9*s*. and part foxy at 8*s*. per lb.

Tragacanth.—Ninety packages sold without reserve, including good seconds at 16*l*.; fair to good thirds at 10*l*. to 12*l*. 12*s*. 6*d*.; fourths, 8*l*. 7*s*. 6*d*. to 9*l*.; reddish hoggy, 5*l*. 5*s*. to 7*l*. 7*s*. 6*d*.; and pale siftings, at 52*s*. 6*d*.

Wax (Bees').—Quiet. Of Jamaica, 3 barrels offered and sold at 7*l*. 5*s*. for fair red and brown mixed, and 7*l*. for dark brown. 94 bales Abyssinian sold at 6*l*. 17*s*. 6*d*. for fair yellow block, and 14 packages East African realised 6*l*. 12*s*. 6*d*. for fair, slightly drossy. Of Madagascar, 345 packages offered, but only 3 sold at 6*l*. 15*s*. for fair brown block; the best lots of good brown block were held at 6*l*. 17*s*. 6*d*. 40 bags Mozambique realised from 6*l*. 10*s*. to 6*l*. 12*s*. 6*d*. for drossy ball to small ball. Bleached Spanish was held at 7*l*. 5*s*.

Amsterdam and London Cinchona Auctions (1912).

The following dates have been fixed for the ten auctions to be held at Amsterdam next year: January 18, February 22, March 28, May 2, June 13, July 18, August 22, October 3, November 7, December 12. The following are the dates fixed for the London auctions: January 23, February 27, March 19, April 23, May 31, June 18, July 23, August 27, September 24, October 22, November 19, and December 17.

Wine-crop Statistics.

Messrs. Kirkpatrick, Barr & Paton send us the following statistics of the wine crop (in million hectolitres) in France, Spain, Italy, and Algeria:

—	1906	1907	1908	1909	1910	Estimated 1911
France	52	66	60	54	28	47
Spain	18	13	18	15	13	17
Italy	30	54	42	41	31	45 to 50
Algeria	7	9	8	8	8	8
Total ...	107	147	128	118	80	117 to 122

Manchester Chemical Market.

November 14.

In heavy chemicals there is a steady undercurrent of trading, but demand is not quite so active as a few weeks ago. On export account prices for some markets rather favour buyers, but home demand is steady at full late rates. Sulphate of copper continues to follow the course of the raw metal, and is again higher. Best brands are quoted delivered here at 20*l*. 17*s*. 6*d*. to 21*s*. 7*s*. 6*d*., with about 5*s*. per ton more for forward and spring delivery. Arsenic appears to be in slow inquiry, and still favours buyers, especially for quantities. Miscible and solvent naphthas are held for full prices, and holders are offering sparingly at 2*s*. 10*d*. to 3*s*. per gal. for miscible and 2*s*. 6*d*. to 2*s*. 9*d*. for solvent (white colourless). Aniline oil is quiet at 5¼*d*. to 5½*d*. for pure, and salt 5*d*. Alum in rather quiet demand at 5*l*. 12*s*. 6*d*. to 5*l*. 17*s*. 6*d*. for loose lump, 5*l*. 15*s*. to 5*l*. 17*s*. 6*d*. for lump in tierces, and 6*l*. 2*s*. 6*d*. to 6*l*. 7*s*. 6*d*. for ground in bags on rails. Glauber salts, 42*s*. 6*d*. per ton; Epsoms, 60*s*. per ton bags, and 65*s*. to 80*s*. per ton in casks and barrels. Black oxide of manganese, 94 per cent., is quoted 28*l*. to 30*l*.; 85 to 87 per cent., 6*l*.; 80 to 85 per cent., 5*l*. 10*s*.; 70 per cent., 5*l*. 5*s*.; and 60 per cent., 4*l*. 5*s*. per ton. Glycerin, s.g. 1.260, naked, in 5-ton lots, is quoted 105*l*.; and double-distilled, in tins and cases, not less than 5-cwt. lots, 108*l*. to 109*l*. per ton. Castor oil is rather dearer at 3⅝*d*. to 3¾*d*. per lb. In coal-tar products there is a steady feeling generally. Sulphate of ammonia, 14*l*. 5*s*. per ton on rails Manchester.

The Turpentine Market.

Since we last referred to the position of turpentine oil early in October, when there were vague indications of a renewed upward movement being attempted, the market, after experiencing some improvement, has gradually relapsed into dulness, and prices have on balance yielded another 2*l*. or so per ton to about 34*l*. for spot delivery. Considering the extent to which receipts in America and the shipments to this side have proceeded since the end of September, the further fall which has taken place is not to be wondered at, as it is obvious that the material deterioration of the statistical position has made dealers reluctant to enter into fresh speculative engagements. Pretty liberal offers on the spot have been steadily absorbed by consumers at prices considered fairly attractive with each set-back, while consumptive trade requirements have been on a large scale. So long as the receipts at Savannah continue heavy, thus causing constant weakness in the American market, there is but little chance of a reversal of feeling in the London market, though spring delivery has been maintained at a premium over the spot price. The London visible supply is now about 27,000 barrels, or some 10,000 barrels in excess of this time last year, when the price was about 21*l*. per ton higher. The market has this year been swayed from one extreme to the other as has hardly ever been witnessed in the history of the industry. True, the value of turpentine dropped during the American financial panic some years ago much below the present level, but the unprecedentedly high figure seen this year was 75*l*. per ton. At the current relatively low rates French or Spanish spirit is not offering freely, but the demand for the Russian substitute is comparatively restricted, there being apparently no great inducement to use the latter, costing upward of 28*l*. per ton, in preference to the genuine American spirit, the premium on which is now comparatively reduced. Whereas the imports in the earlier part of this year showed a considerable deficit, they have since gradually increased, thanks to the better American crop, the total figures for the ten months to the end of October representing 20,368 tons, compared with 13,673 tons in 1910 and 19,144 tons in 1909. The figures thus disclose an excess of 6,695 tons over last year's imports, and are already well ahead of the returns for 1909.

The imports of drugs into Formosa from Japan during 1910 amounted in value to 54,218*l*., against 37,004*l*. in 1909.

TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," October 11, 1911.)

"Strobin," and two label devices with straw hats; for a straw-hat cleaner (47). By Max Queisner, Hardenbergstrasse 18, Charlottenburg II. 335,598/9.

"Retsel"; for all goods (48). By T. R. Lester, Ltd., 106 and 107 St. Patrick Street, Cork. 333,257.

"Lavona"; for all goods (48). By To-Kalon Manufacturing Co., Ltd., 143-147 Great Portland Street, London, W. 334,822.

"Ak-Me"; for a hair-restorer (48). By W. H. Bowen, 137 Broad Street, Pendleton, Manchester. 335,163.

"Glytymol"; for tooth-pastes, liquid dentifrices, etc. (48). By Standard Tablet and Pill Co., Ltd., Hove, Sussex. 335,417.

"Morning Dew"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, E. 335,661.

(From the "Trade-marks Journal," October 18, 1911.)

"Curex," for an ointment (2); "Angulique," for a spray-producer (11). By C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C. 334,563, 336,072.

"Gniknan"; for dog-medicines (2). By N. Kennedy, Heath Lodge, Walton-on-the-Hill. 335,942.

Picture of monkey seated on a bottle feeding giraffe with bandaged neck; for all goods (3). By Mandall & Co., Ltd., Tower Street, Stockton-on-Tees. 335,301.

"Thoraform"; for medicinal chemicals (3). By Thomas Kerfoot & Co., Bardsley, near Ashton-under-Lyne. 336,135.

"Thytergen"; for a medicine (3). By W. P. O'Connor, 11 Upper Park Road, Hampstead, London, N.W. 336,169.

"Hupnoid"; for a medicinal preparation (3). By L. & J. Egger, Waitzner Boulevard 17, Budapest. 336,229.

Device of lens with words "Carl Zeiss, Jena"; for optical instruments (11). By Carl Zeiss, 2 Carl-Zeiss Strasse, Jena. 335,738.

"Lustro"; for indiarubber teats (11). By F. Schutze, Black Bull Works, Caledonian Market, London, N. 333,496.

"Sembeh"; for capsules and bottle-sealing devices (13, 37, 39, and 50). By Viscose Development Co., Ltd., 11 Queen Victoria Street, London, E.C. 336,118/9, 336,120/1.

"Rosa-Togen"; for all goods (48). By Trommer Co., Ltd., 27 Charterhouse Square, London, E.C. 335,448.

"Territorial" and picture of soldiers with gun; for baking-powder and rennet (42). By W. B. Trahair, 58-59 Notte Street, Plymouth. 334,266/7.

(From the "Trade-marks Journal," October 25, 1911.)

"Vibropult"; for medicinal chemicals (3) and surgical instruments (11). By G. F. Fisher, 7 Rutland Road, London, N.E. 334,938/9.

"Crex; for medicinal tablets (3). By W. E. Northam, 86 High Street, Hornsey, London, N. 336,139.

"Sachulose"; for substances used in manufactures (4) and for food for animals (42). By Bastol, Ltd., 3 Lloyd's Avenue, London, E.C. 336,339, 336,340.

"Biclix"; for optical goods (8). By American Optical Co., 39 Hatton Garden, London, E.C. 335,835.

"Casco"; for dental apparatus (11). By Claudius Ash, Sons & Co., Ltd., 5-12 Broad Street, Golden Square, London. 336,365.

"Three Diamonds Brand" and "Blue Diamond Brand" and label design of three diamonds; for essential oils, essences, and extracts (42). By W. Meadowcroft & Son, Ltd., 24 Regent Street, Blackburn. 334,068, 334,070.

"Bovestates"; for meat extracts and essences (42). By Argentine Estates of Bovril, Ltd., 160 Old Street, London, E.C. 335,307.

"Extor"; for all goods (42). By E. W. Sleath & Co., Teneriffe Street, Manchester. 336,137.

"Star Brand," and label device of white star with radiations; for alcoholic flavouring-essences (43). By A. Boake, Roberts & Co., Ltd., 100 Carpenters Road, Stratford, E. 335,428.

"Cimo"; for mineral and aërated waters (44). By Dr. A. Pfannenstiel & Maderholz, Schwanthalerstrasse 53, Munich. 333,534.

"Waxaw"; for perfumery, etc. (48). By Lever Brothers, Ltd., Port Sunlight, Cheshire. 336,374.

(From the "Trade-marks Journal," November 1, 1911.)

"Sapon" (by order); for disinfecting-soaps, etc. (2). By Sapon, Ltd., 24-25 King William Street, London, E.C. 316,778.

"Flamingo"; for medicinal chemicals (3) and for perfumery, etc. (48). By Edith M. Charnley, 51 Victoria Road, Fulwood, Preston. 335,930/1.

"Smith's Potassium Compound" and "Smith's Vitalizer," with facsimile signature "John A. Smith"; for medicines (3). By J. A. Smith, 68-69 Shoe Lane, London, E.C. 336,312/3.

"Romalæne"; for medicinal oils (3) and all goods (48). By S. H. H. Barratt, 27 Hollycroft Avenue, Hampstead, London, N.W. 336,415/6.

"Ricqlès' Peppermint" and label design; for essence of mint (3). By De Ricqlès et Cie., 133 Boulevard Victor Hugo, Saint-Ouen, France. 336,540.

"Selip"; for a cure for piles (3). By H. K. Duckworth, Main Street, Grange-over-Sands. 336,407.

Label design for "Liebig's Extract of Meat"; for meat extract (42). By Coleman & Co., Ltd., Wincarnis Works, Norwich. 335,304.

"Melbovin"; for meat and wine combination (43). By Melbourne Extract Co., Ltd., 45 Thomas Street, Liverpool. 335,296.

"Telmo"; for all goods (48). By O. H. White, Ellicott Square Building, Buffalo, New York, U.S.A. 335,847.

"Iris" and label design of girl with sheaf of flowers; for perfumery, etc. (48). By Iris Skin Preparations Co., 124 Regent Street, London, W. 334,587.

(From the "Trade-marks Journal," November 8, 1911.)

"Zellotyl"; for photographic plates and films (1) and for adhesives (39). By H. B. Manissadjian, Spalenring 31, Basle. 335,760, 335,762.

"Hydra"; for photographic plates (1) and for photographic papers (39). By Paget Prize Plate Co., Ltd., St. Albans Road, Watford. 336,532/3.

"Bloom-Ovis"; for a weatherproof sheep-dip (2). By T. G. & G. S. Hewitt, 11½ Great Dover Street, Borough, London, S.E. 336,322.

"Spyglass"; for flycatchers (2). By J. N. Dean, 42 High Street, Stockport. 336,387.

"Vi-Force"; for medicinal chemicals (3). By Casein, Ltd., Sheepcote Lane, Battersea, London, S.W. 336,235.

"Menthozea"; for medicines (3). By J. Kudish, 115 Cannon Street Road, London, E. 336,594.

"Dibornyl"; for medicinal chemicals (3). By Bayer Co., Ltd., 20 Booth Street, Manchester. 336,900.

"Olio Sasso" and label design; for all goods (3). By P. Sasso e Figli, 3 Via de Sonnaz, Oneglia, Italy. 333,373.

"Leminols"; for lemonade-tablets (42). By T. F. Brown, 8 Leinster Square, London, W. 335,269.

"Gilsma"; for toilet-preparations (48). By G. H. Smailes, 9 Belgrave Promenade, Ilfracombe. 335,782.

NEW BOOKS.

Alderson, W. E. *Dental Anæsthetics: A Text-book for Students and Practitioners.* 6¾×4. Pp. 100+viii. 3*s.* net. (Wright, Bristol.) [This book deals with the various anæsthetics employed in dentistry, with the methods of using, precautions, after-effects, and treatment of anæsthetic emergencies. The last chapter, which will interest dental chemists, deals with analgesia, and has been written by Mr. Bolam, of Newcastle-on-Tyne Dental Hospital and School. This chapter deals concisely with refrigeration and infiltration methods. The dose of cocaine is given as $\frac{1}{20}$ to ½ grain, and no solution containing more than 1 per cent. should be employed. The use of ampoules of solutions are especially indicated.]

Cheyne, Sir W. W. *Tuberculous Diseases of Bones and Joints, their Pathology, Symptoms, and Treatment.* 2nd edit. 8¾×5½. Pp. 416. 16*s.* net. (Frowde.)

Clarke, H. T. *Handbook of Organic Analysis, Qualitative and Quantitative.* 7½×4¾. Pp. 272. 5*s.* net. (E. Arnold.)

C

The British Pharmaceutical Codex, 1911. An Imperial Dispensatory for the use of Medical Practitioners and Pharmacists. 9×5½. Pp. xvi+1568. 10*s.* 6*d.* (The Pharmaceutical Press.) [This is the second edition of a work which was published in 1907 "by authority of the Council of the Pharmaceutical Society of Great Britain," and the sale of which was stopped consequent upon the action of the General Medical Council, the statutory publishers of the British Pharmacopœia, one of the books from which it was compiled. In external appearance the present edition is the same as the last. The first 1100 pages are devoted to materia medica, the next 337 to a formulary of medicinal preparations, and after this come various data such as atomic weights, weights and measures, percentage equivalents, pharmacological and therapeutic index, and an index of the whole. The most novel feature in the materia medica section is the arrangement, after the descriptions of the characters, constituents, and actions and uses of drugs, of "Preparations" in the manner made so familiar by Squire's "Companion." This grouping brings in all the B.P. preparations, those of some other Pharmacopœias, and unofficial preparations, including those of this Codex itself, which are more detailed in the second or Formulary part.]

Clarke, J. H. *The Prescriber: A Dictionary of the New Therapeutics.* 7th edit. 6¾×4. Pp. 336. 5*s.* net. (Homœopathic Publishing Co., 12 Warwick Lane, London, E.C.) [Begins with a chapter on "How to Practise Homœopathy," which is followed by an explanation of the method of using the book from the clinical standpoint. "The Prescriber" occupies the greater part of the volume; in this the diseases are arranged alphabetically, and in a condensed form the remedies are indicated for each disease. The following example will show the style adopted:

Neuritis.—From exposure to dry cold, with intolerable pains in debilitated subjects, *Ars.* 3-30, 1-2 h. After influenza, *Tub. k.* 30 once in four days. Symptoms increasing after sleep, *Lach.* 6, 4 h. Pressing, cramping, tearing, throbbing pains from periphery to centre, often with red streaks, *Bell.* 1-30, 1 hr. In exhausted, anæmic persons: alcoholic neuritis, *Ars.* 3-30, 2 h. *See also* Beri-Beri, Neuralgia.

The book is a useful guide to the practice of homœopathy, and for chemists it is excellent as indicating the remedies which are prescribed in various conditions.]

Corbin, H. E., and Stewart, A. M. *Handbook of Physics and Chemistry.* 4th edit. 7½×5. Pp. 528. 7*s.* 6*d.* net. (Churchill.)

Evans, Willmott. *Medical Science of To-day. A Popular Account of the More Recent Developments in Medicine and Surgery.* 8×5. Pp. 324. 5*s.* net. (Seeley.)

Fernie, W. T. *Health to Date: the Modern Doctor, with Newer Methods of Cure.* 7½×4¾. Pp. 494. 4*s.* 6*d.* (Simpkin.)

French, H. *Nurses' Materia Medica.* 7¼×4¾. Pp. 114. 2*s.* 6*d.* net. (Scientific Press.)

Gillies, H. C. *Regimen Sanitatis, the Rule of Health. A Gaelic Medical MS. of the Early Sixteenth Century, or perhaps older, etc.* 10½×7½. Pp. 150. 10*s.* 6*d.* net. (Maclehose.)

Gough, G. W. *Fifteen Fiscal Fallacies.* 7¼×4¾. Pp. 197. 6*d.* post free. (Free Trade Union, 25 Victoria Street, Westminster, S.W.) [Answers in a direct manner the arguments used by those who advocate the adoption by this country of a protective tariff. The purpose of the book, as stated in the preface, "is to give the free trader who has little or no time to devote to the study of economics some little help and practice in using simple economic reasoning for propaganda purposes." It is also, apart from politics, of interest to all who buy and sell as showing the basis upon which trade rests.]

Senter, George, D.Sc., etc. *A Text-book of Inorganic Chemistry.* 7¼×4½. Pp. x+583. 6*s.* 6*d.* (Methuen.) One of the publisher's Text-books of Science series, of which Dr. J. T. Hewitt, F.R.S., is the General Editor. The author was a Bell scholar and is a pharmaceutical chemist. The book contains all that is usually included in a B.Sc. course, and is divided into thirty-eight chapters, great theories being interpolated with the study of the elements—*e.g.*, Solution has a chapter to itself after Water, then come Chlorine and Hydrochloric Acid, followed by a chapter on The Laws of Chemical Combination, the Atomic Theory, and so on to the last chapter, which deals with Radio-activity. The author has already written "Outlines of Physical Chemistry"—another of the series which has gone into a second edition.]

Pearson, Karl. *The Fight Against Tuberculosis and the Death-rate from Phthisis.* 8vo. swd. 1*s.* net. (Dulau.)

Watkins, Alfred. *Watkins' Manual of Exposure and Development.* 5th edit. Cr. 8vo., limp. 1*s.* net. (Simpkin.)

Weeks, J. E. *Treatise on Diseases of the Eye.* 8vo. 30*s.* net. (H. Kimpton.)

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Socrates, Shaw, and Hemlock.

Sir,—Speaking of the death of Socrates, you remember that when he was given the bowl of hemlock Socrates wished to offer part of the quantity as a libation to the gods, but the executioner prevented him, saying, "That which is given you is just enough to produce a fatal effect, and anything less would be too little." Note that the hemlock was standardised, and the exact quantity had been determined by frequent experiment *in corpore*. Now if my friend, George Bernard Shaw, were condemned to death for blasphemy by an acutely conscientious Nonconformist Government, and if he elected to die, like Socrates, from hemlock (which we shall assume to be the juice of *Conium maculatum*), I suggest that there is no pharmacologist in Britain who could tell within a quarter of a pint, more or less, the exact quantity necessary to give Mr. Shaw his quietus. Yours truly,

Dublin, November 14. J. C. McWalter.

Lucca Oil.

Sir,—Referring to your report of the Lucca-oil case on November 11, index folio 705, I think "the witnesses for the defence who said that the trade distinguished between Lucca oil and olive oil, regarding Lucca oil as something different," must be taken *cum grano salis*. As one who has sold and handled considerable quantities of Lucca oil I beg to differ most emphatically from the evidence of these witnesses, and in this I think I shall have the support of all others competent to judge. The question came up in another form in the *C. & D.*, November 13, 1909, when your inserted a letter of mine in reply to "L'Ecrevain's" inquiry, "What is Salad Oil?" With your permission I will repeat the paragraph from that letter bearing on the subject, as it is much more important than appears on the surface. It is as follows:

"It is surprising to hear that any well-known London firm says in its price-list that salad oil is not olive oil. It would be interesting to know what this same London firm says salad oil should be. I have before me the price-lists of three of the best-known firms of Italian warehousemen in London, and in each case salad oil is described as 'pure olive oil, Lucca.' Lucca being the great centre of production for the finest olives on the west coast of Italy."

I do not suppose it is illegal to sell any edible oil, not injurious in itself, as salad oil, and the letter referred to was only an attempt on my part to show what was the custom of the best firms in the matter; but it is another question altogether when any oil but olive oil is sold as "Lucca," and I am very glad that the Marlborough Street magistrate has marked his judgment of the matter by inflicting an adequate fine for this 20 per cent. adulteration. For two years or more now the best olive oils have been very high in price, and the temptation has been very great on the part of many to reduce first cost by admixture with edible cottonseed oils, which of late years have been vastly improved in manufacture, but no amount of skill in manufacture can make a *seed* oil equal an oil expressed from the *fruit* of a tree, as olive oil of course is. No wonder such firms can undersell firms with whom quality and integrity of goods sold are the prime consideration.

Yours, etc.,

Sutton Coldfield. Wm. Bousfield.

Chemists' Window-displays.

Sir,—"Verb. Sap." asks what constitutes a first-prize window-display, and I should reply, first, something

striking; second, something original; and last (but not least), something artistic. Wright's Coal-tar Soap Calendar I consider very artistic indeed, but to carry out the idea as a window-display would not be original, and I certainly think that firms like to see their specialities exhibited in addition to the original advertising ideas of the competitor. Yours faithfully,

Starbeck Pharmacy, Harrogate. JAMES W. HARPER.

Pharmacy in New Zealand.

SIR,—It will interest most pharmacists to know that, while in England the Shop Hours Bill and the sixty-hours week is a mere possibility, "down under" in the Antipodes they have gone further, and that now all shops close at 8 P.M. and 10 P.M. on Saturday, and a fifty-two hours week for chemists' assistants is an accomplished fact. An assistant at one of the principal pharmacies in Wellington gives me the following details of how the week is divided up:

Monday and Tuesday, 8.15 A.M. to 1 P.M.; 2 to 6 P.M.
Wednesday, 8.15 A.M. to 1 P.M.; 7 to 9 P.M.
Thursday and Friday, 8.15 A.M. to 1 P.M.; 2 to 6 P.M.
Saturday, 8.15 A.M. to 1 P.M., 2 to 5 P.M., and 6 to 9 P.M.

This will be found on examination to add up to fifty-two and a half hours. There is, however, a spell of duty for two hours every alternate Sunday; on the preceding Saturday the assistant leaves at 6 P.M., thus having given him one hour extra. This will make up the legal number of fifty-two. Although there is, as everywhere, considerable cutting, prices are generally much higher in New Zealand than in England. For instance, in good-class pharmacies 2*s*. 6*d*. is the usual price for an 8-oz. mixture, and 3*s*. 6*d*. if it contains anything out of the ordinary, such as Hewlett's liq. bismuthi. Threepenny sales are treated with some contempt, sixpenny ones are tolerated, but nothing under 2*s*. 6*d*. raises any enthusiasm. Yet here in England quite a number of pharmacists wax visibly enthusiastic when they manage to sell one of their own special preparations at 1*s* 1½*d*. per bottle. It's not all quite so rosy as it seems at first sight. Expenses are pretty high, the wholesale trade start men with little capital on the tied-house system, causing a large number of small shops to spring up wherever there is any business to be done; the Shop Hours Bill is not always observed either in letter or in spirit; and, taking everything into consideration, it is doubtful whether the New Zealander is any better off than his English brother. Be that as it may, most pharmacists will admit (at least, when putting up the shutters at midnight after a long Saturday of penn'orths) that with regard to the threepenny sales and the ten o'clock closing the New Zealander has the best of it. Yours truly,

"TORULA." (208/68.)

French Observations and Reflections.

SIR,—"Xrayser II.'s" recent reflections on "When is a Poison not a Poison?" are very much to the point. My father, who spent sixty years behind a retail pharmacy counter, used often to say that it was a good thing the public had the dread they have of the "Poison" label. "The man in the street" sometimes imagines this term always implies a substance of which a few drops are sufficient to cause death, and this is a great safeguard, as it is just by this class that the most rash and risky things in the way of leaving bottles about, tasting, etc., often take place. But (my parent used to add) "of course everything may be considered poison, tea, coffee, or alcohol, if you take enough of it. And where are we to draw the line?" One wonders if any lawyer could really give a trustworthy counsel's opinion as to what is, and is not, in a legal sense, "poison."

"Xrayser's" recent remark that English seventeenth-century pharmaceutical advertisements "might have been issued yesterday" applies equally to French literature of the same character. Nicolas de Blegny, in his "Livre Commode" for 1692, gives some curious indications as to contemporary patents. For instance:

"M. Alary, privileged Royal Apothecary, who (by the dishonesty of his agents) has not met with success in the provincial agencies he had founded for the distribution of his febrifuge tablets and purgative syrup for bile, nevertheless continues the distribution at his own address, at the sign of the Page du Roy, at the end of the Pont St. Michel, in front of the Quai des Augustins. The said M. Alary proposes shortly to offer a specific for persistent fevers, pleurisy, etc. . . . which will act with extraordinary promptitude. Rue St. Denis, at the sign of *La Providence*, near the rue des Prêcheurs, is sold a pomade which corrects all face and skin defects and gives great freshness to the complexion."

As to M. de Blegny *fils* himself, his preparations are as numerous as they are efficient, as readers may judge from one paragraph culled at random from a selection of thirty or so:

"An anodyne water which appeases with surprising promptitude toothache, all kinds of colics, rheumatisms, pains caused by the use of mercury, sciatica, and gout in the hands and feet."

Should scoffing sceptics (such exist in all ages) sit in the seat of the scornful, our apothecary incidentally mentions, in conclusion:

"A solvable person who knows the virtues of these remedies undertakes (when one desires) to pay the value of the recipe to patients in case they are not cured, provided that they agree to pay the double for complete healing."

This seems a "sporting offer," and what would be nowadays termed Transatlantic push; but it was written in France more than two hundred years ago.

Yours truly,

ANGLO-PARISIAN. (185/47.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Optical Enthusiasm.

A man, after being taken into the sight-testing room, was found to require different lenses to be placed in frames. He said he couldn't pay more than 1*s*., adding "'Tis the means that make the difference." "Exactly so," said the chemist-optician, "'tis my means that make the difference." "Well, you see, it's for my mother, and we can get it done for 6*d*. by the man who comes round from door to door." Hurrah for study and examinations!—*A. S.* (232/13).

Appreciations.

An Aberdeenshire Member of the Pharmaceutical Society (275/22) writes: "I have again very great pleasure in enclosing cheque for renewal of *C. & D.* Would not like to want my *C. & D.* now, it is one of the best papers I read."

"I have pleasure in handing you cheque for 1*l*. 0*s*. 6*d*. This is in payment of my copy of the *C. & D.* and also for a copy of the new edition of "Pharmaceutical Formulas." I found the edition I possess most useful and the recipes money-making. The new edition, I have no doubt, will be even better. As to the weekly, it would be superfluous for me to say anything as to its merits. If it were three times the price I would buy it."—*F. W.* (273/25).

Explosive Measures.

I have been very unlucky for some time past in finding my 10-oz. measure cracked without any apparent cause. I had a strong suspicion that washing soda was causing it. Last night I dissolved the following in a 10-oz. glass measure:

Potass. bicarb.	ʒv.
Sodii salicyl.	ʒiij.
Aquæ	℥iiij.
Syr. limonis	℥ij.

Just as gas was beginning to be evolved the measure cracked with a fairly loud noise. Exactly a fortnight ago I mixed a similar mixture, and found the glass cracked the following morning. I never suspected this mixture to be the cause until last night's occurence, which left no doubt in my mind of the cause. What is the reason?—*C.* (233/46).

[The rupture is supposed to be due to a fault in the annealing of the glass. In compounding a nidus or point is touched or cooled which starts the crack; sometimes the whole glass crystallises. Doubtless other subscribers could add to our correspondent's experience.—EDITOR *C. & D.*]

Legal Queries.

Consult the Legal Advice Section of "The Chemists' and Druggists' Diary," 1911, p. 435, before writing about your difficulty.

R. A. B. (229/46).—To say of children's cooling-powders that they are "soothing, laxative, and comforting" does not make them liable to medicine-stamp duty.

Æ. (230/53).—The title of your powders is of a personal nature, but not necessarily proprietary. Can you give us an exact reference to where the formula is published? We cannot trace it by your title.

Doncaster (228/9).—The bottle as at present constructed is an ordinary bottle, but whether or not it will be made "distinguishable by touch" by ribbing on each side we are unable to judge from a pencilled sketch. In our opinion, the ordinary form of bottle should be departed from for poisons and poisonous substances, and this yours does not completely do.

Miscellaneous Inquiries.

We do not as a rule repeat information given in this section during the past twelve months. When references are given to past issues, these should be consulted. Back numbers for the past five years can generally be obtained from our office at the published prices. We do not undertake to analyse and report upon proprietary articles.

Nameless Querists.—We call attention to the first rule of our correspondence section, viz.: "All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with." We receive queries daily with which no name and address are given. The address-label of the wrapper in which the *C. & D.* is sent serves as a coupon, and may be used by querists.

G. W. (217/40).—Worms on Golf-greens.—The details of the method of destroying these with mercury perchloride were published in the *C. & D.*, August 20, 1910, index folio 329. For a non-poisonous preparation lime-water answers fairly well. It is used freely for watering the grass.

P. & Co. (205/33).—Manufacture of Casein.—The only book on this subject with which we are acquainted is Scherer's "Casein: Its Preparation and Technical Utilisation" (Scott, Greenwood, 7*s.* 6*d.*). It is a translation from the German.

E. P. (220/59).—Eucalyptus Dog-soap.—Regarding the formula given in the *C. & D.*, October 28, index folio 664, the quantity of soft soap given is correct. The original recipe (*C. & D.*, August 23, 1902, index folio 363) ordered a larger quantity of soap, but we found from experience that the smaller quantity was better.

H. D. (Belgium) (222/31).—Knife-polish Powders.—The following is a good formula:

Powdered rottenstone	2 parts
Powdered Bath brick	4 parts
Emery-flour	1 part

The colour can be heightened by adding Indian red.

J. L. (221/71).—Eye-trouble.—Probably the disease referred to was choroiditis or inflammation of the choroid. The matter should be left in the hands of an ophthalmic surgeon.

H. P. M. (217/74).—(1) Chloroform placed in the air-tight container of taraxacum-roots will keep them free from insect-pests. (2) The Poison Schedule does not include *solid* preparations of carbolic acid.

W. W. (213/62).—(1) There will doubtless be several technical appointments in connection with the carrying out of the National Insurance scheme, but whether these will be obtainable by patronage or competition we do not know. (2) Cod-liver Oil Emulsion.—This subject is very fully dealt with in "Pharmaceutical Formulas," and we have published formulæ in every volume of the *C. & D.* The following is a typical recipe:

Ol. morrhuæ	℥iv.
Ovi vitellum	j.
Pulv. tragac.	gr. iv.
Sodii hypophosph., Calcii hypophosph. ...	aa. gr. xvj.
Elixir saccharini	ʒss.
Ol. cassiæ	♏vj.
Spt. chloroformi	ʒij.
Tr. benzoini simp.	ʒss.
Aquam ad	℥viij.

M.S.A.

H. G. (214/29).—The scorch on the fawn-coloured overcoat cannot be removed chemically as the fibres have been partly destroyed by heat. Probably the application of magnesia or pipe-clay would render the scorch less conspicuous and so answer the purpose you have in view.

M. R. C. (219/48).—Gelatin Bottle-capping.—Soak 7 lb. of good gelatin in 10 oz. of glycerin and 60 oz. of water, then heat over a water-bath until dissolved, and add any desired colour. Pigments may be used, and very beautiful tints can be obtained by the use of aniline colours. Store the jelly in jars. To use, liquefy the mass and dip the cork and portion of neck of bottle into the liquid; it sets quickly.

W. C. A. (206/17).—Repairing Marble Mantelpiece.—As a rule plaster of Paris mixed with alum solution is employed, but thin glue into which plaster has been stirred is another useful cement. The following is also useful and is considered to be the hardest cement of all. It takes twenty-four hours to set:

Portland cement	12 parts
Slaked lime	6 parts
Fine sand	6 parts
Kieselguhr	1 part
Sodium-silicate solution	a sufficiency

The powders are well mixed and then made into a thick paste with the water-glass.

Fairfax (213/43).—The Red Patch on Chin left after injury is due to a residual dilatation of the superficial vessels. Time will probably cure it; in the meantime it should be dusted with zinc oxide or painted with calamine lotion. If it does not disappear in a few months, or tends to get worse, it may be cured by means of carbon-dioxide snow.

J. M. (221/1).—Castor-oil Emulsion.—There is no formula in the London Hospital Pharmacopœia. Your prescription (pot. carb. gr. vj. to ʒj. each of castor oil and water) is really for a draught, "Statim sumendus." If it has to be kept thick and non-separable, you will need to add at least ʒij. of powdered acacia to it. Your medical friend's memory is a trifle at fault.

W. H. L. (203/32).—Books on Bacteriology.—See reply to "H. A." (*C. & D.*, October 28, index folio 664).

J. A. (224/34).—The New Pickles.—The author of the article writes: "The gherkins are in varying sizes, from 1 in. to about 4 in. long; the smaller ones are left alone, while the larger are sliced up in about three or four pieces, according to size. The jars used at present are merely white-glass tie-over honey jars, two thicknesses of good-quality greaseproof paper being used over the top. The jars are obtainable from many of the bottle-manufacturers advertising in The Chemist and Druggist.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," November 15, 1861.

Philadelphia.

(*Communicated by E. Parrish, Principal of the School of Practical Pharmacy.*)

It may be interesting to your readers to know that a Commission has been raised by our Government to look after American interests in the World's Fair to be held in London next spring; and that, notwithstanding the general concentration of energies upon the suppression of the rebellion, and the consequent cessation of commercial intercourse between the northern and southern sections, there is some interest awaking in the great movement originated by your zealous and progressive savants. It can hardly be expected that "The States" will do justice to their real scientific and industrial attainments at a crisis like the present, but I am not without a hope that the display of the American manufacturers will be such as to convince Europe that all is not yet lost in the model republic. As of special interest to pharmaceutists, I may inform you that at a late meeting of the Philadelphia College of Pharmacy a resolution was adopted to collect and forward to London, for the Exhibition, a complete cabinet of our indigenous and naturalized medical plants; also specimens of all new and peculiarly American preparations of the forthcoming United States Pharmacopœia, as far as these may be adopted in time for the purpose. A large committee, consisting of the leading members of the College, was charged with the work, and the chief obstacle to its complete success is in the lateness of the season, which will prevent the special collection of many drugs for the purpose, rendering it necessary in some cases to rely on the imperfect specimens already in the hands of herbalists. The progress of the Pharmacopœia revision gives promise of the completion of the work, so as to be published in the spring, perhaps immediately after the London Pharmacopœia is issued from the press.

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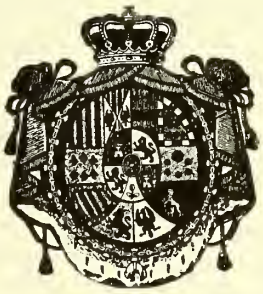

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Ammon. Carb. lump. 3 cwt. @ 3⅜d. lb.; 28 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb.; powder, ½d. lb. extra.
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*Dec Senegæ Conc., 6 lbs. @ 2/1 lb.
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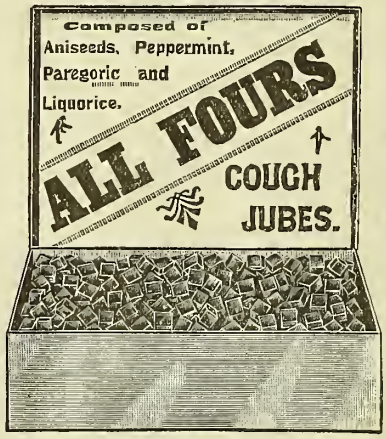

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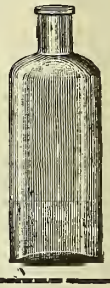

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of every description; plain, cut, and stoppered

Direct from the Works.

FOR CHEMISTS & PERFUMERS :: WHOLESALE & EXPORT.

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THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in ***RED INK,*** are upon each box thus:

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TOOTH - POWDER
BOTTLES AND CANISTERS.

Fig. 2308. Bottle, White Glass.
2 oz. 3 oz. 4 oz.
26/- 28/- 31/- gross.

Fig. 2142. Canister.
4½ in. high. 1⅞ in. diam.
30/- gross.

Fig. 1473. White Glass.
2 oz. ... **48/-** gross.

Fig. 1847. Opal Glass.
2 oz. 3 oz. 4 oz.
34/- 36/- 40/- gross.

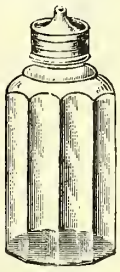

Fig. 2204. Octagon.
3 oz. ... **28/-** gross.

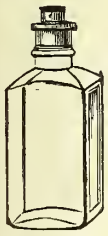

Fig. 2207. White Glass.
2 oz. 4 oz.
27/- 34/- gross.
Actinic Green.
2 oz. 4 oz.
30/- 37/- gross.

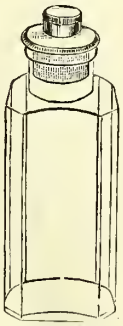

Fig. 185. White Glass.
2 oz. 3 oz. 4 oz.
34/- 36/- 40/- gross.

Fig. 1397. White Glass.
2½ oz. ... **36/-** gross.

Subject to our Usual Terms.

WILLIAM TOOGOOD, Limited,
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Reduced Prices for
LYNCH'S
RUBBER
Hot-Water BOTTLES

BEST BRITISH MANUFACTURE.

QUALITY & WEIGHT GUARANTEED.

6 × 8 ...	each	**3/1**
6 × 10 ...	each	**3/5**
6 × 12 ...	each	**3/10**
8 × 10 ...	each	**4/5**
8 × 12 ...	each	**4/9**
8 × 14 ...	each	**5/2**
10 × 12 ...	each	**5/8**
10 × 14 ...	each	**6/4**
10 × 16 ...	each	**6/10**
12 × 14 ...	each	**7/2**
12 × 16 ...	each	**7/11**

TWO YEARS GUARANTEE.

Subject to **10%** Discount, and **£2** worth CARRIAGE PAID.

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CUSTOMER'S OWN NAME FREE ON 3 DOZEN.

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:: ON APPLICATION. ::

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Invalids waited upon at their own Residence (by Lady Attendant) if wished.

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FLAT, OVAL, OR HEXAGONAL SHAPE.

IN DARK BLUE, LIGHT BLUE, ACTINIC GREEN OR PALE GREEN GLASS.

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1d. Packets.	12 in box	9½d. per box.	7/7 per grs.
2d. ,,	,, ,,	1/6 ,,	14/9 ,,
1d. linen Bags.	,, ,,	9½d. ,,	7/7 ,,
2d. ,, ,,	6 in box	9½d. ,,	14/9 ,,
4d. Boxes,	about 1½ lbs.	3d. ,,	2/6 per doz.
8d. ,,	,, 3 ,,	6d. ,,	5/- ,,
1/2 ,,	,, 7 ,,	11½d. ,,	9/8 ,,
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CHLORIDE OF LIME

In Packets, ¼ lb., ½ lb., and 1 lb ; also in Tins, 1 lb., and upwards.

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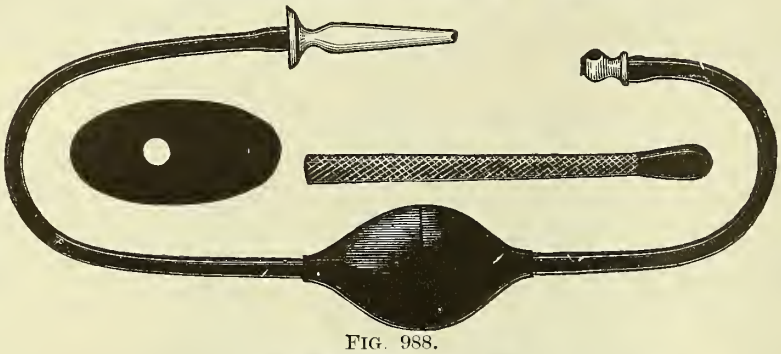
GUARANTEED FOR 2 YEARS.

Does not get sticky in hot weather.



Does not get hard in cold weather.

Fig. 988.

WARRANTED NOT TO SPLIT.

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ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

BAILEY'S HOT WATER BOTTLES.

VERY BEST RUBBER at lowest Prices,

Fig. 1.

Sizes.	Fig. 1 or Fig. 2 s.	d.
10× 6	4	1
12× 6	4	7
10× 8	5	2
12× 8	6	0
14× 8	6	3
12×10	6	8
14×10	7	6
16×10	8	2

Fig. 2.

W. H. BAILEY & SON,

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"Camwal" Waters are subject all the year round to the criticism of between 4,000 and 5,000 experts—viz. the Chemists by whom they are retailed.

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Camwal, a Company of 32 years' standing, with Six Factories in different parts of England, supply their Waters to H.M. Government, and have obtained many Awards of Gold Medals, Certificates of Merit, &c., for the purity and general excellence of their Waters.

"Mr. Chemist,—it is well to impress upon your customers that, simple an article though Soda Water may appear, it requires scientific knowledge, expensive machinery, and expert handling to produce it properly; and the Public should be warned that danger lurks in beverages made (as is sometimes the case) under insanitary conditions and without the requisite scientific supervision."

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London, Manchester, Birmingham, Bristol, Harrogate & Mitcham.

THE NATURAL MINERAL WATER OF

CÉLESTINS (VICHY ÉTAT)

For DISEASES of the KIDNEYS, GRAVEL, GOUT, RHEUMATISM, DIABETES, etc.

"GRANDE-GRILLE" For Diseases of the Liver and Biliary Organs, &c.

"HÔPITAL" For Stomach Complaints, Indigestion, &c.

VICHY-ÉTAT PASTILLES Two or three Pastilles after each meal facilitate digestion.

Price List, Show Cards, Dummy Bottles, Pamphlets, etc., on application.

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And at LIVERPOOL and BRISTOL.

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PURE ORANGE WINE

(VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

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Established 1855. **ROBINSON'S ORIGINAL** Excise Drawback on Export Orders.

CONCENTRATED WATERS.

STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.)	4/- per lb.	Aqua Cassiæ Conc.	4/- per lb.	Aqua. Menth. Virid. Conc. ...	4/- per lb.
,, Anethi, Concent.	4/- ,,	,, Flor Aurant.	8/6 ,,	,, Pimentæ ,, ...	4/- ,,
,, Anisi ,, ...	4/- ,,	,, ,, Sambuci Conc. ...	8/6 ,,	,, Pulegii ,, ...	4/- ,,
,, Camphoræ ,, ...	4/- ,,	,, Fœniculi Conc.	4/- ,,	,, Rosemarini ,, ...	4/- ,,
,, Carui ,, ...	4/- ,,	,, Menth. Pip. Conc. ...	4/- ,,	,, Rosæ ,, ...	8/6 ,,
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Instantly prepared by adding Hot Water only.
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NEAVE'S FOOD.
"An excellent Food, admirably adapted to the wants of Infants."
SIR CHAS. A. CAMERON, C.B., M.D., etc.
Contains all the essentials for flesh and bone forming in an exceptional degree.
Nearly 90 Years Reputation.
GOLD MEDALS, LONDON: 1900 and 1906, also PARIS.

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A delicious and nourishing milk and cereal diet for general use, acceptable to those who dislike the usual form of "gruel." Valuable in cases of general debility and dyspepsia, providing full nourishment with small exertion to the digestive organs.
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The TABLE WATER for Constipation, Complaints of the Liver and Stomach, Gall Stones, Glycosuria, &c. . . . .

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VEROX FLUID BEEF.
ALL BEEF & ALL BRITISH.

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ESTABLISHED 1865. TELEPHONE, 7368 CENTRAL.

SAL HEPATICA.

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Medium ,, 7 ,, ,, ,,
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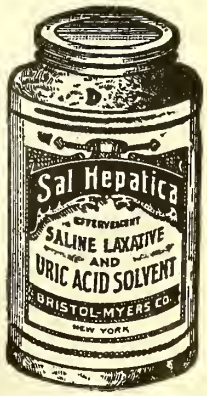

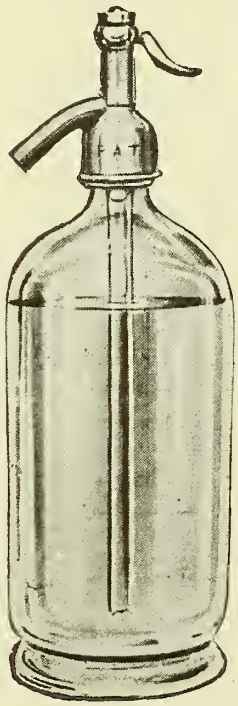

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The same shape, style and appearance as the present Syphon Tops, **but** cast in **Pure Aluminium**—the purest of all commercially workable metals—instead of tin, &c., thus removing the great and ever-present risk of metallic contamination of the waters, and obviating the necessity for cumbersome and expensive porcelain-lined Syphons.

ALUMINIUM is six times as strong and durable as tin!

ALUMINIUM, when polished, looks like silver and does not oxidise or tarnish.

ALUMINIUM, when melted down, has comparatively no value, and offers **no temptation for stealing**—as with tin tops.

ALUMINIUM is very light—half the weight of tin—and so effects considerable saving in cost of carriage and dead weight on delivery vans.

The **P.A.T.** SYPHON TOPS are **cast in one piece**—no join at the nozzle or spout as with present Syphons, thus obviating the leakage of gas which always occurs when using tops with nozzles joined on.

The **P.A.T.** SYPHON VASES are the finest Bohemian make.

The **P.A.T.** SYPHON TOPS are made in England, and fitted to the vases and tested—**all** by British labour.

The **P.A.T.** SYPHON TOPS effect a considerable saving in time and labour in cleaning and polishing.

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Lofthouse & Saltmer LTD.

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Merchants, Manufacturing Chemists,

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invite the attention of the Trade to the following well tried preparations which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

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Losali's Asthma Remedy. Very effective Remedy for Asthma, Bronchitis, &c.	1/-	7/6 net.
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GOOD! IT'S MASON'S

The Drink for the Masses

Millions of glasses used daily by workers all over the Empire

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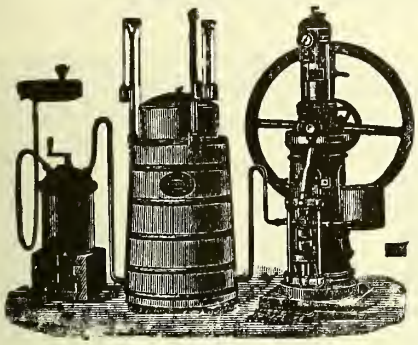

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This type is fast superseding all other makes, and is used in the leading manufactories of the world.

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Are all Fitted for Hand and Power.

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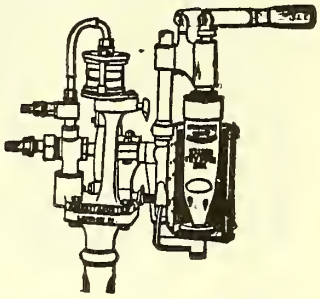

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By our new process of Back Pressure Filling we can guarantee the

HIGHEST QUALITY SODA WATER at 60 lb. Pressure

Thus saving HALF YOUR GAS.

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FILLING MACHINE FOR SYPHONS.

THE SIMPLEST OF ANY SYPHON FILLER YET INTRODUCED.

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Low Pressure Attachment whereby half the Carbonic Acid Gas is saved, with better product resulting. For use with any Filling Machine

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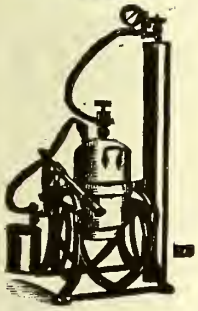

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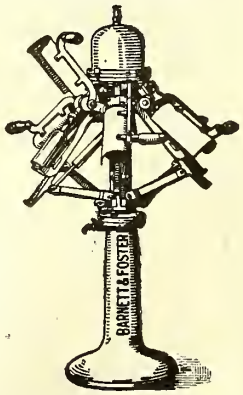

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The makers of the well-known brands of Pure Block Juices "V.B." and "B.X.," who are the largest manufacturers of Liquorice in the World, beg to notify the Trade that they now manufacture a high-class **PURE STICK JUICE** which they have placed on the market under their registered brand ***"APOLLO."***

The same guarantee of absolute Purity, which for the past sixty years has been given with their Block Juices, equally applies to their new stick ***"APOLLO."***

Can be obtained of all the leading wholesale Houses.

"SOLAZZI" LIQUORICE JUICE

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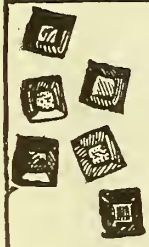
Recommended also by '*The British Medical Journal*,' '*Health*,' '*The Chemist and Druggist*,' '*Food and Sanitation*.'

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.



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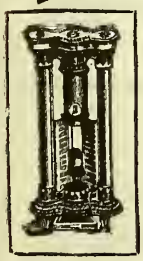

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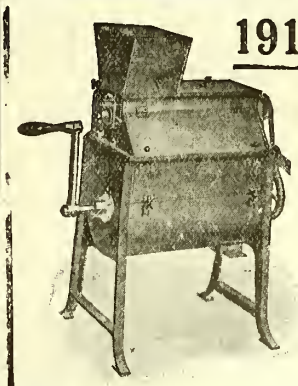

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For Grimy Hands, for Pots and Pans.

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9/- 10/- 15/- 20/- per gross } Round edges, plain or graduated, quinine tinted.

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3 & 4 6 & 8 12 16 ounce.
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2 2½ 4 6 8 10 ounce.
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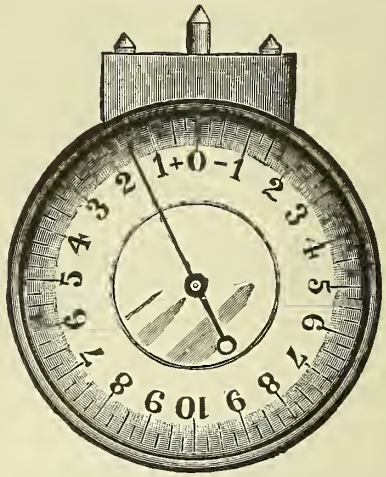

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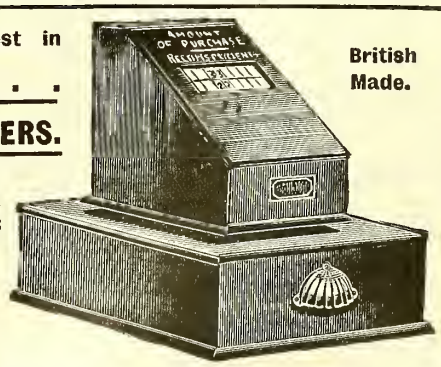

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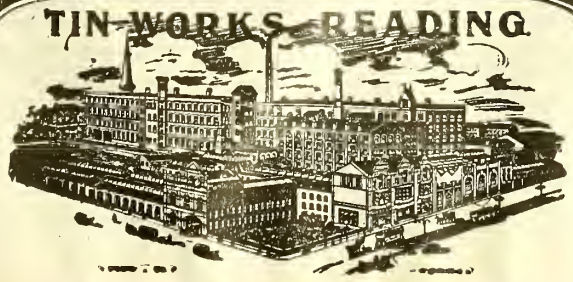

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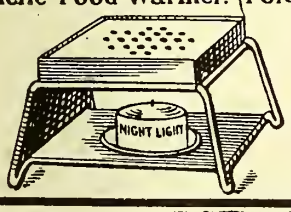

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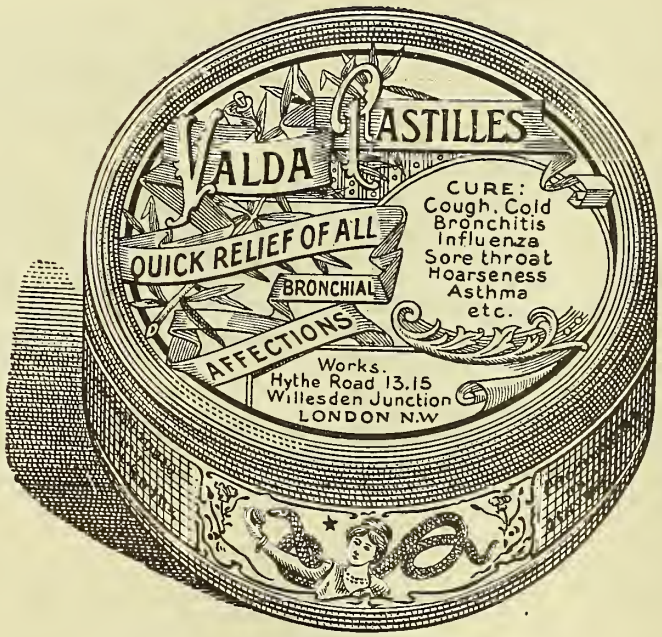

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, NOVEMBER 18, 1911

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

635 REPLIES WERE RECEIVED AT OUR OFFICE UP TO WEDNESDAY MORNING NOV. 15TH TO 92 OUT OF 277 ADVERTISEMENTS IN THE C.&D. COLOURED SUPPLEMENT OF THE 11TH INST. IF THE OTHER ADVERTISERS RECEIVED REPLIES IN THE SAME PROPORTION (PROBABLY THEY GOT MORE) THEN A RULE OF THREE SUM BRINGS THE TOTAL UP TO **1,911·9**

Proving once again that it pays to pay for advertising in this Supplement

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E. (Residential Suburb).—Middle-class Business, chiefly ready money; returns between £950 and £1,000 per annum; *net profit* £300; attractive shop, well fitted and stocked; price £775.

2.—WIMBLEDON (near). — Ready-money Business, Retail and Dispensing; returns average £800 per annum; *gross profit* 43 *per cent.*; attractive shop, single fronted; full investigation invited; price £550.

3.—LONDON, W. (Residential District).—Good middle-class Business, Retail, Dispensing, and Optical; returns under manager between £850 and £900 per annum; roomy shop, coin position; comfortable residence; to effect a speedy transfer the sum of £550 will be accepted.

4.—LONDON, S.W.—Middle-class Business, Retail, Prescribing, and Photographic; returns last year £1,037; *gross profit* 45 *per cent.*; attractive shop, double-front; well-assorted stock; good residence; price £650.

5.—LONDON, W.—Good-class Business, Retail and Dispensing; returns average £864 per annum, and the *net profit* £350; lock-up pharmacy, fitted in solid mahogany; rent moderate; held on lease; price £660; ill-health cause of sale.

6.—LONDON, E.C.—Cash Retail Business, situate in close proximity to busy Railway Station; returns about £1,000 per annum; modern-fitted shop; ample stock; lock-up Pharmacy; price £650.

7.—KENSINGTON.—Modern Pharmacy; position unique; returns about £1,100 per annum; *net profit* £350; lock-up shop; held on lease; price £900.

8.—KENT (Market Town).—General Retail and Optical; returns average under manager £660 per annum; *profit (net)* £220; vendor's own property; lease will be granted; price £550.

9.—WEST OF ENGLAND.—Retail and Dispensing Business; returns, present rate, between £30 and £40 per week; rent £67 yearly; held on lease; terms £100 and valuation of stock and fixtures.

10.—WESTERN COUNTY.—Good-class Business, chiefly ready money; returns over £800 per annum, increasing; comfortable residence, garden; rent moderate; price £600.

11.—SUSSEX.—Unopposed Business (Mixed); established 70 years, and held by vendor 15; returns average £900, which produce a net income of £320 per annum; well-appointed shop, with good house attached; terms, goodwill £100, stock and fixtures at a fair valuation.

12.—SOMERSET.—Retail and Dispensing Business; established 1832; returns under manager about £1,000 per annum; *average net profit* £250 to £300; large shop, fitted in mahogany and plate-glass; rent moderate; held on lease; price £875.

13.—NORTH OF ENGLAND.—Good-class Retail and Dispensing Business; returns about £1,500, increasing; *gross profit* £610; commodious residence, private entrance; price £1,200.

14.—SURREY. — Old-established Business, Retail and Agricultural; returns between £350 and £400 per annum; roomy house, with stabling attached; rent £35 (sublet about £20); terms, valuation of stock and fixtures.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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Licensed Valuers,

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Telegrams, "Brett Leicester." Telephone 1934.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—YORKS.—Returns £322; net profit £100; price £160.
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3.—KENT.—Returns £500 under manager; price £300.
4.—GLOUCESTER.—Returns £1,250; net profit £275; price £950.
5.—MIDLANDS.—Returns £1,400; Country Retail; price £800
6.—BIRMINGHAM.—Returns £500; net profit £160; price £250.
7.—LINCS.—Returns £750; rent £25; valuation £250.
8.—YORKS.—Returns £950; net profit £280; price £800.
9.—SOMERSET.—Returns £1,000; net profit £275; price £875.
10.—YORKS.—Returns £800; General Country; very profitable; advanced age cause of sale; cash £450.
11.—WARWICK.—Returns £550; net profit £200; price £300.
12.—LEEDS.—Returns £860; net profit £268; price £650.
13.—NORTH STAFFS.—Light Country; returns £1,400; price £750.
14.—GLAMORGAN.—Returns £800; net profit £230; price £450.
15.—YORK.—Returns £650; net profit £200; price £175.
16.—DURHAM.—Returns £855; net profit £220; price
17.—MIDLANDS.—General Country Retail and Wholesale for a radius of 8 miles; returns £3,000 annually; very old-established; death vacancy; valuation about £1,200; plenty of scope for increase to an energetic man, or Partnership entertained.
18.—LIVERPOOL.—Returns £485; net profit £165; cash £150.
19.—DORSET.—Returns £800; net profit £265; price £600; very promising and increasing; good-class Retail.
20.—LONDON, N.—Returns over £1,000; net profit £250; price £450.

VALUATIONS

conducted on reasonable terms in any part of the United Kingdom.

BUSINESSES WANTED

in all parts, those requiring £1,500 to £2,500 capital preferred; buyers waiting; Yorks, Midlands, and South-West of England; correspondence invited.

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OWING to severe family bereavement, a prosperous Business, returning nearly £700, in large manufacturing town, Midlands, will be sold to first offer at half value of stock and fixtures; vendor retiring; for immediate Sale; rent £35; 7 rooms; no near opposition; Cash Retail and Prescribing.

KENT.—Unopposed, near London; 3 years' returns £600, £650, £675, at good prices; nice shop; good house and garden; rent £50; price £320, about the value of stock and fixtures; vendor desires business abroad.

MIDLANDS.—Corner position; good business town; General Retail; returning over £600; rent £62; one room, £26, let to dentist; ill-health sole cause of sale; price £350, or offer; can be very largely increased.

OLD-ESTABLISHED, profitable, South London; returning over £900; rent £65; house let off £30; net profit £300 per annum; proof given and investigation invited; price £400, or offer.

VALUATIONS for Accountancy, Probate, or Sale on most reasonable terms.

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Businesses transferred privately.
29 NEW CANNON STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcement is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to purchasers.)

1.—SOUTH COAST (Fashionable Resort).—Light Family Retail and Dispensing Business; returns £900; scope for increase; well-fitted shop, fully stocked; nice house and garden; price £600; books properly kept.

2.—S. DEVON.—Old-established high-class Business, delightfully situated; returns average £600; net profit £300; beautifully-fitted Pharmacy; same hands many years; price £600.

3.—SURREY.—Good middle-class Retail Business, steadily increasing; present returns average over £900; excellent profits; central position; good residential district; price £700.

4.—YORKS (East Riding). — Unopposed Mixed Country Retail with Wines and Spirits; returns £650; scope for doing £20 a week in energetic hands; well-fitted and fully stocked; price £325, less than valuation.

5.—KENT.—Old-established Light Retail; has done £1,000; returns under manager £650; net profit £220; plenty of scope; good premises; low rent; price £500, or offer.

6.—LIVERPOOL.—Sound Light Retail; returns about £500; no Side-lines; net profit £160; good house and large shop; stock and fixtures worth fully £250; price £200; part can remain.

7.—WIMBLEDON.—Light Retail and Dispensing; returns £800; net profit £200; good position; price £550, or offer.

8.—SOUTH KENSINGTON.—Good-class Retail and Dispensing; returns about £1,100; net profit £345; price £900.

9.—YORKS (WEST RIDING).—Good-class Light Retail Business, in unique position; returns £950, at excellent profits; low rent; modern house and shop; stock and fixtures worth £700; price £750.

10.—ESSEX COAST.—Good-class Retail Business, in the best position, and scope for increase; returns £728; net profit £220; weak opposition; low rent; large shop; stock alone worth £300, price £400.

11.—HAMPSHIRE.—Sound Cash Retail and Prescribing Business, neglected; returns £500 under junior; plenty of scope; net profit £150; corner shop; good position; price only £200; splendid chance for a beginner.

12.—SUSSEX.—Unopposed good-class Retail Business; charming locality; returns about £650; net profit about £250; plenty of scope in energetic hands; price £550; good introduction.

13.—DORSET.—Profitable Light Retail and Prescribing Business, with some Dentistry; returns £670; net profit £290; increasing; good house; low rent; price £600.

14.—WARWICKSHIRE.—Light Retail and Dispensing Business in high-class locality; returns £550; net profit £190; good house; fine shop, well stocked; price £300, or valuation.

15.—RICHMOND (near).—Good-class Retail and Dispensing; returns over £1,000; net profit £300; fully stocked; price £675.

16.—LONDON, N.W.—Light Retail and Dispensing; returns about £950; good house; low rent; well stocked; price £625.

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We are in immediate want of genuine businesses in all parts, especially South and South-west of England, cash buyers waiting ready to invest up to £3,000. Strictest privacy guaranteed. Terms sent on application. No sale, no charge.

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MESSRS. BERDOE & FISH desire every Chemist to read their pamphlet on the necessity and advantages of Stocktaking, which will be sent on application; we are experts at this work and our charges are strictly moderate. Write for them to-day. **Over 40 Years' Practical Experience.**

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COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6*d*.

Trade circulars, samples, and printed matter can in no case be forwarded.

BIRMINGHAM.—Exceptionally busy corner position; Chemist and Druggist's Business; established 75 years; rent £30; good living; cash trade; purchase price for stock, fixtures, and fittings, etc., £350; cause of sale, old age and illness of owner; no agents. F. London, 227 Birchfield Road, Birmingham.

BLACKBURN.—Good Business for immediate Disposal; full particulars given to bona-fide inquirers. 279/16, Office of this Paper.

LIVERPOOL (main thoroughfare).—Chemist's Business for Sale at once; good fittings; cheap rent. Apply, Langton & MacConnal, 22 Lord Street, Liverpool.

LONDON, N.—Middle-class Prescribing, Dispensing, and General Retail Business, doing £650 a year; good house, with private entrance attached; cause of sale, retiring from trade; price £250 for quick sale. Apply, "Essex" (280/22), Office of this Paper.

LONDON Suburb.—Two Businesses for Sale, one taking nearly £2,000, and the other nearly £700; thoroughly sound investment; price £1,200; full particulars given to genuine purchaser. Apply, "Retired" (280/220), Office of this Paper.

LONDON, S.E.—Old-established Business for Sale; returns average last 3 years £500; good profits; 13 years' lease to run; nice house; well fitted and stocked; value over £350; accept £250, or nearest offer; part could remain if required. 280/11, Office of this Paper.

LONDON, S.E. — Old-established Family Business; unopposed; returns between £7 and £8; over half profit; has done more; much neglected; thoroughly well stocked; owner's death reason of sale; Business could be largely increased under energetic man; low price. 281/4, Office of this Paper.

LONDON, N.E.—For immediate Sale, nicely fitted Pharmacy in thickly populated working-class district; well stocked; good house, with back entrance; low rent; Dental practice quickly acquired; satisfactory reasons for disposal; price £100, or near offer. Apply, in confidence, "H. H. K." (279/27), Office of this Paper.

LONDON, W. (few miles out).—Genuine Light suburban Retail Business, main road; increasing district; returns over £800; modern, double-fronted shop, well fitted, good stock; price £375, or valuation terms; open to fullest investigation. Address, 1/11, Office of this Paper.

MIDLANDS.—Good-class Business for Disposal; returns about £1,400, entirely under management; plenty of scope; gross profits 40 per cent.; very handsome Pharmacy, in finest position, market town; low rent; long lease; price £1,200; stock and fixtures are worth £1,000; only cash buyers entertained. Apply, 1/110, Office of this Paper.

NORTH-EAST CHESHIRE.—For Disposal, old-established Pharmacy; rent £30; corner shop; in same hands many years; proprietor retiring; good house; first-class position in main thoroughfare. Address, "J. A.," 13 King Street, Dukinfield, Manchester.

NOTTINGHAM.—Unique opportunity of acquiring well-equipped, up-to-date Chemist's Business, with valuable Side-line, doing splendid profitable trade; large shop, fitted electric and gas; opening for Dentistry; nice house, bathroom (w.c.), large kitchen garden; price, valuation, about £250, and goodwill £100; principals only. Southern, 87 Wilford Road, Nottingham.

PEAK OF DERBYSHIRE.—Splendid little Business for Sale, very old-established; takings average for the last 6 years £650; for prompt sale will take £200, or near offer. 279/24, Office of this Paper.

SOUTH WALES.—Double-fronted Shop, in main road, well fitted and stocked; returns average £12 a week, and steadily increasing; populous district in industrial town; nice house; rent £34, lease; price £375, or near offer. "Genuine" (278/29), Office of this Paper.

SOUTHERN COUNTY.—Good-class Family, Retail, and Dispensing Business; well situated in good market town about 30 miles from London; returns approach £1,000, and capable of increase; good profits; modern-fronted shop, well fitted and stocked; price £800; this is a genuine business. Address, 1/101, Office of this Paper.

ABOUT £250.—Lancashire manufacturing town; well fitted shop in good mixed-class district; good house; low rent; ill-health cause of leaving; no opposition; takings £350; under qualified management could be considerably increased, as the district is rapidly growing. Apply, 276/29, Office of this Paper.

CHEMIST'S Business for Sale in South of Scotland; good Agricultural district; no opposition; established 40 years; good-class Retail, Dispensing, and Prescribing; returns average for last 3 years about £520; net profit £160; good house and large garden; vendor's own property; desirous of selling property and goodwill, stock and fittings at valuation. 280/33, Office of this Paper.

CHEMIST'S Business for Sale; situated in good residential neighbourhood, S.W. Suburb; no opposition; present hands over 11 years; rent, rates, and taxes low; price £300 all at, or near offer, which includes stock worth about £200. Apply, James Wakely, 30 Walbrook, Cannon Street, E.C.

FOR Sale, small Cash Drug Store, near Shepherd's Bush, in thickly populated neighbourhood; owner retiring after 14 years' successful occupation; shop and 6 rooms; lease; rent £40; price £80, or offer. "H. N." (1/23), Office of this Paper.

GOOD-CLASS Retail, Dispensing, and Prescribing Business in growing town on South Coast; very profitable and easily worked; Dentist badly needed; double-fronted, beautifully fitted Pharmacy, main street; good house, greenhouse and garden; vendor's property; lease granted; price £500, or near offer; no agents; references required. "Coaster" (281/8), Office of this Paper.

RE Merry and Parker, Ilkeston.—For Sale, in consequence of the proprietor's death, the above Wholesale and Retail Chemist's Business, established over 80 years in the centre of Ilkeston, a working-class mining district; the business is a Mixed one, with Wine and Spirit Off-licence, W. and A. Gilbey's sole Agency, Photographic, etc.; turnover about £3,000 per annum, which can readily be increased; house, cart, and stabling; Wholesale business done within a radius of 8 or 9 miles; fixtures, fittings, stock, etc., about £1,200; every assistance given to purchaser; price of fixtures could remain at 4 per cent. For further particulars apply to 279/37, Office of this Paper.

THE Subscribers have for Sale several first-class Chemist's Businesses in and around Glasgow; they will be sold either together or singly. Bowes & Macmillan, Writers, 138 West Regent Street, Glasgow.

£2,550 last year's turnover; Dispensing, Photographic, and Family Retail Business, some Agricultural; purely cash trade; books well kept; gross profit for first half of this year was over 34 per cent. on turnover; a really sound concern; stock, fittings, and fixtures worth £1,100; suit an active man or two partners; proprietor retiring. Apply, "Iodide" (280/31), Office of this Paper.

£250 cash will buy profitable unopposed Business; splendid opportunity for pushing, active man used to Mixed trade; good house; low rent. Particulars, "W. R." (280/39), Office of this Paper.

£125.—Drug Store (neglected) in Northern City for Sale, taking £6 week under unqualified; has done £12; plenty of scope; net profit (1910) £95, (1909) £120; owner left trade. Apply, 280/38, Office of this Paper.

TENDERS.

LONDON TEMPERANCE HOSPITAL, HAMPSTEAD ROAD, N.W. THE Board of Management invite TENDERS for the supply of Drugs and Chemicals to this Hospital for 12 months from January 1, 1912. Forms of Tender and all particulars may be obtained from the Dispenser. The Board does not undertake to accept the lowest or any other tender. Tenders should be returned on or before Friday, December 1, 1911, sealed and addressed to A. W. Bodger, Secretary.

FOR SALE.

FITTINGS.—Mahogany Counters, plate-glass fronted, fitted Cases, 6 ft., 8 ft., 12 ft., also Range 60 glass-knob Drawers, Lockers below, Shelves above, Bottles, Jars, and Scales, Counter-cases, various kinds, upright, flat, and bent, 2 ft. to 10 ft.; cheap to clear. Took, 120 High Road, Tottenham (one minute Stamford Hill terminus).

AGENCIES.

AUSTRALIA.—Advertiser (qualified Chemist), shortly leaving England for Australia and New Zealand as Representative for leading English General Drug house, desires additional Agency or Patent Medicine as side-line. 1/20, Office of this Paper.

INDIA.—Advertiser, 20 years' experience in the East, is open to act as Managing Representative in India for first-class firm Manufacturing Chemicals, Pharmaceutical Preparations, or Drug-trade specialities, other than Disinfectants; terms would include power of attorney to act for the firm, monthly allowance plus commission, and contribution towards office, etc., expenses. Address, 191/33, Office of this Paper.

SOUTH AFRICA.—Travelling Representative, leaving shortly for extended tour through all business centres of that country, wishes Speciality houses to join with present firms; terms, share of expenses and commission; guarantees and good references; good opportunity for firms wishing introduction to South African market. 1/15, Office of this Paper.

TO LET.

EALING.—Handsome and spacious Business Premises to be Let, suitable for all trades; situate in the centre of the town; excellent living accommodation over, comprising 4 bedrooms, bath (h. & c.), large reception-room, kitchen and offices; spacious shop, frontage 17 ft., depth 40 ft.; large and well-lighted cellar in basement; rents only £75 per annum. For further particulars and orders to view apply to the sole Agents, J. Griffin & Son, Estate Agents, Ealing. Telephone 6 Ealing.

REIGATE, Surrey.—To Let, fine Shop and House in the best part for business; electric light, gas, and telephone; a good opening for a business man; there is a large and influential population, and house over is a very comfortable and convenient one. Phillips, 10 Beaufort Road, Reigate.

SYDENHAM, S.E. (near Crystal Palace).—A fine Shop, House, already fitted as a Chemists'; no charge for fixtures or rounds; nice garden; rent £60 per annum; lease 7, 14, 21 years. Apply, by letter, W. Wykes, 32 Graemesdyke Avenue, Sheen, Surrey. Electric light on.

SHOP to Let, suit Chemist, 46 Pitshanger Lane, Ealing; rent £50. Apply, G. W. Cossons, 22 Mount Pleasant Road, Ealing.

AT liberty December 1, corner house, suitable position for Chemist's shop; large yard, outbuildings for storage; surrounded by better-class dwellings; owner would make alterations and let at moderate rent; can be viewed at any time. Apply, Fisher, 1 Comely Bank Road, Egremont, Cheshire.

TO be Let, an old-established Herb and Drug Business; small capital required. Apply, Surgical Hosiery Co., Ltd., Russell Street, Nottingham.

PARTNERSHIPS.

WANTED, a Partner in small Chemist's Business, active or otherwise; good prospects; middle-class trade; suburbs of London. Apply, "Rhei" (1/9), Office of this Paper.

BUSINESSES WANTED.

PHARMACIST is open to purchase privately a Business; London or Suburbs; net profit at least £200. "H. R." (1/28), Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 3d.

RETAIL.

ABERDEEN ROYAL INFIRMARY.—The Directors of this Hospital invite applications for the office of Dispenser; candidates must have Chemist's certificate from the Pharmaceutical Society. Further particulars may be learned from the Subscriber, with whom applications and copies of testimonials require to be lodged not later than Wednesday, 29th November current. A. Scott Finnie, Clerk and Treasurer, 343 Union Street, Aberdeen, November 16, 1911.

BRIGHTON.—Qualified Assistant, age about 24, required in a good-class Dispensing and Retail business. Apply, with particulars and photo, to W. H. Gibson, 122 King's Road, Brighton.

BRISTOL.—Qualified Assistant (outdoors) to Manage working-class and Prescribing business. State age, references, and salary required, Kirby, Ashley Road, Bristol.

CHIPPENHAM.—Assistant in good-class Country business; indoors; short hours; must be of good address, obliging, and accurate Dispenser. State salary required, Edgar Neale, Chippenham.

HASTINGS.—Wanted, Junior for Dispensing business; indoors. State age, height, salary required, etc., to C. W. Higgins, Chemist, Hastings.

LONDON, W.—Wanted, smart unqualified Junior; must be a reliable Dispenser, good Counterman, and of gentlemanly appearance, about 23 years of age. Full particulars and photograph to Sanguinetti & Harding, 120 Uxbridge Road, Ealing, W.

LONDON, N.W. — Wanted, qualified Assistant; outdoors; age about 23-25 years; must be a quick and accurate Dispenser and a good Salesman. Please state full particulars of experience and salary required, personal interview preferred; if letter enclose photo, T. F. Elton, 28 Endsleigh Gardens, N.W.

LONDON, W.—Qualified male, unmarried Assistant, with good London experience in Dispensing and Retail; board out, sleep in; age 24. Apply personally, if by post stating age, experience, salary required, references, when disengaged, to R. A. Potts, 62 South Audley Street, London, W.

LONDON, W.—Junior Assistant required by November 30; age about 22; outdoors. Apply, with full particulars, age, height, and salary required, enclosing photo (to be returned), to John F. Harrington, 15 Kensington High Street.

LONDON, N.—Manager; qualified; must possess good knowledge Photography, good Counterman; whole day holiday weekly; outdoors; at once. Long, 155 High Street, Stoke Newington, N

LONDON, S.W.—Wanted at once, qualified Assistant (outdoors), about 35; whole day off weekly; personal interview. Matthew, 529 Battersea Park Road.

LONDON.—Qualified Assistant for modern Light Retail business. State age, experience, and salary required, 234/605, Office of this Paper.

LONDON, W.—Unqualified Assistant wanted (outdoors), about 25 to 28 years of age; one with knowledge of French preferred; permanency to suitable man. Write, giving full particulars, or call after 3 P.M., Hairsine, 52 Wardour Street, W.

LONDON, S.W. (near Schools). — Assistant, unqualified (indoors) immediately, with good-class experience. State full particulars, with photo (to be returned), or personal interview, F. H. Glew, 156 Clapham Road, S.W.

LONDON, S.W. Suburb.—Assistant, qualified preferred, about 30, with good London experience in Dispensing, Photography, and Retail; permanency; rooms over premises; board out; the accommodation offered suitable for married man (no family). Apply, with full particulars, to 1/29, Office of this Paper.

MIDLANDS.—Reliable and energetic Manager (outdoors) required for Light Retail business in large village; easy hours; weekly half-holiday; no Sunday duty; good experience and references essential; no Photographs required; applications not answered in 3 days respectfully declined. Particulars of age, height, experience, and salary required, to "Gentian" (280/20), Office of this Paper.

NORWICH.—A vacancy occurs in a high-class Dispensing business for a smart Junior, age about 20 years. Apply, with usual particulars, and photo if possible, to John Corder, 31 London Street, Norwich.

NOTTINGHAM.—Qualified Branch Manager; good salary to capable and reliable man; outdoors. Give full particulars, "Chemist," 3 Henry Road, Lenton, Nottingham.

WORCESTER.—Assistant wanted, about 25, for good-class Dispensing business. State age, height, experience, references, and enclose photo, George & Welch, Worcester.

YORKSHIRE (West Riding).—Well-known firm have an opening for smart young unqualified man to take charge of Branch; married man preferred, though to a really capable man this would be no obstacle. State age and give fullest particulars in first letter, 234/65, Office of this Paper.

ASSISTANT; unqualified; smart; capable Counterman; Store experience preferred. Salary expected, when disengaged, and full particulars (outdoors), Raynes, Pharmacy Stores, 22 Brigstock Road, Thornton Heath, Croydon.

ASSISTANT wanted, London (outdoors), for Cash business; preference given to gentleman knowing Photography. Reply, giving full particulars as to age, references, salary expected, etc., to 2/8, Office of this Paper.

AT once, for quick Cash trade, an Assistant for the Counter, as second man; need not be qualified, but must have had good-class experience, quick and energetic; outdoors. Send full particulars to save time, T. C. Cornwell, Pharmaceutical Chemist, Hanley.

COMPETENT unqualified Junior; outdoors; London suburban good-class Retail, Dispensing, and Photographic; half-day weekly; Sunday duty 2½ hours fortnightly. Particulars, including age, height, experience, salary required, enclosing photo, to Matthews, Ltd., Hoppers Road, Winchmore Hill, N.

JUNIOR (unqualified) wanted; must have had experience in Photography and Window-dressing; wages 30s. per week. Apply, with full particulars, to 235/39, Office of this Paper.

JUNIOR (outdoors), one who has had about 5 to 7 years' experience, in good-class Retail, Dispensing, and Photographic business; weekly half-holiday; no Sunday duty; must be active, neat, and good Counterman. Apply, with full particulars and salary required, Shillcock & Sons, Chemists, Bromley, Kent.

JUNIOR or Improver in a good-class Mixed Country business; must be a good Salesman, steady and reliable. Shackleton, Frogmore Pharmacy, Abergavenny, Mon.

JUNIOR Drug Clerk, about 19; must be good writer, quick, and accurate. Write full particulars of experience and salary required to Manager, Boots Cash Chemists, 80 Borough Road, S.E.

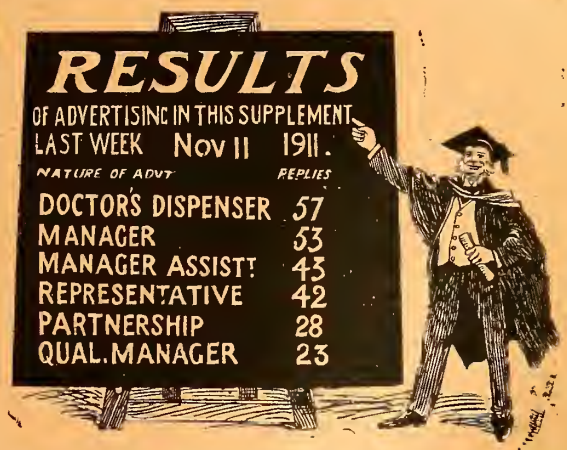
LADY Chemist requires young Lady Assistant; Minor qualification; applicant possessing some capital preferred, with view to Partnership. Enclose photo to "Radium" (273/18), Office of this Paper.

MIDDLE-AGED, active, qualified man, not over 50, wanted spring of 1912, with daughters willing undertake important P.O., salary of latter £75 (1913 £85); Dispensing experience necessary; preferably hospital, as business situated in the doctors' quarter; share or succession arranged for man with capital of £200-£400; steady, reliable, and experienced in Mixed Midland working and middle class trade; business established 30 years; 90 per cent. cash; accounts all good; bad debts nil; in modern order with excellent house; applications must be short, concise, of age, experience, family, capital, references; not answered in 14 days may be considered unsuitable; references written to by arrangement with applicants only. "Established" (281/9), Office of this Paper.

PART-TIME; board and residence; evening duty; suitable for those attending College, etc. Apply, 175 Uxbridge Road, London, W.

PART-TIME Assistant wanted, from 2 o'clock, for Northern suburb. Please state particulars and salary required to "Menthol," Messrs. Willows, 40 Aldersgate Street.

QUALIFIED Assistant (indoors), capable of taking sole charge of good-class business in small country town; age about 35; duties light; weekly half-holiday; comfortable home; must have had good general experience; one seeking permanency preferred, with prospect of ultimate succession. Apply, stating experience, references, salary required, enclosing photo, to "Ganina" (280/13), Office of this Paper.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom-de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

SITUATIONS OPEN *(continued).*

QUALIFIED Manager required at once for Light Retail and Dispensing business, with a fair amount of Photographic; applicants must have had good experience and be able to produce satisfactory references. 234/650, Office of this Paper.

QUALIFIED, not over 24 years of age, unmarried, abstainer, at beginning of December. Usual full particulars, with salary (indoors), Henry Francis, 22 High Street, Bromley, Kent.

REQUIRED at once, Junior or Improver for good-class Retail and Dispensing business; indoors; good classes for students locally; some knowledge of Dispensing essential. To avoid delay state full particulars as to age, height, experience, and salary required, enclosing photo if possible, to Savage & Co., Pharmaceutical Chemists, Brighton.

UNQUALIFIED Assistant (married not objected to) to live in flat over shop. For further particulars apply, giving age, etc., to Reid, Pharmacist, Lansdowne, Bournemouth.

UNQUALIFIED Manager for small Drug Stores, London, North; permanency for suitable man. Apply, stating age and salary required, to 2 College Road, Walthamstow.

WANTED at once, thoroughly capable man, of experience, with good references and some capital, to exploit and take on business Management of new Proprietary Article; salary and commission. 276/34, Office of this Paper.

WANTED at once, a qualified Lady Dispenser; hours 10-1 and 6-10; work light; no bookkeeping. Apply by letter, stating salary required, to "F. & L." (275/36), Office of this Paper.

WHOLESALE.

ST. GEORGE'S HOSPITAL, Hyde Park Corner.—Wanted, a sharp youth as Laboratory Porter; one with some knowledge of Drugs preferred. Applications to be addressed to the Dispenser.

FOREMAN Packer.—A highly efficient man, with first-class Export experience, required in London Wholesale Druggist's; only those with thoroughly good training and capable of controlling others need apply. Full particulars to 229/14, Office of this Paper.

TRAVELLERS, with established connection among Chemists and Stores, wanted to carry an exceptionally attractive line of American Toilet Soaps; something new; applicants must be at present representing firms of standing; liberal commission and part expenses allowed to those who can produce results. Fullest particulars, 227/7, Office of this Paper.

WET-FLOOR Assistant, age about 21; must be smart, experienced. Full particulars to C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, London, E.C.

WHOLESALE.—Assistant required in Laboratory, accustomed to Dispensing private recipe mixtures and to the preparation of Galenicals generally. Reply, stating wages and previous experience, to "Salicine" (233/70), Office of this Paper.

WANTED, young man to act as Second Clerk in Export Bonded Factory; must write good hand and be good arithmetician; one who has had practical experience in Manufacturing Chemist's Laboratory preferred; must have good references. Full particulars to "Vitesse" (230/12), Office of this Paper.

WANTED, a Representative to undertake the sale of Malt Extract and Malt Flour in the South and West of England; preference given to applicants with connection amongst Chemists and Bakers. Apply, giving copies of testimonials and stating salary required, to "Malto" (234/10), Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

AUSTRALASIA and SOUTH AFRICA.—Large German Bottle Works, making Medical Flats, Pomados, Jam Jars, and Fruit Bottles, require Representative with connections. 281/12, Office of this Paper.

RANGOON.—Assistant required, age about 25 to 30; Minor qualifications; 4 years' agreement; salary first-year 250 rupees per month, rising by 25 rupees per month annually to 325 rupees; passage paid. Apply, stating full particulars as to experience, etc., to Indo Burma Co., Ltd., 108 Wool Exchange, E.C.

SOUTH AFRICA.—Required immediately, 2 qualified Assistants for important towns, age about 24 years, with good Dispensing experience; 3 years' agreement; second-class passage paid; salary first year £17 per month, second £18, third £19; total abstainers preferred. Apply, by letter, with photograph, "F. J. G.," c/o C. J. Hewlett & Son, Ltd., 35/42, Charlotte Street, London, E.C.

WANTED, for Geneva, Switzerland, an English Pharmacist, with good references. Send photograph and particulars of height, etc., to O, 6385X, Haasenstein & Vogler, Geneva.

INDIA and CHINA.—Representative sought, with experience and connections, by German Manufacturer of Medical Bottles of all descriptions, Pomades, Jam Jars, and Fruit Bottles. 281/102, Office of this Paper.

SITUATIONS WANTED

***1s.** for **12** words or less; **6d.** for every **10** words or less beyond, prepaid.*

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

[HOME].

RETAIL.

IMPROVER; indoors; tall; disengaged. Leather, Schoolhouse, Newton Ferrers, Plymouth.

JUNIOR or Improver; 20; 5 years' experience. Patchett, 6 Livingstone Street, Leeds.

DISPENSER; long Surgery and Hospital experience. Burrows, 11 Hibbert Street, Battersea.

LOCUM; qualified; daily or weekly. "Chemist," 12 Beckenham Avenue, Sefton Park, Liverpool.

DISPENSER to Surgeon; thoroughly experienced; good references. Stuart, 3 Friary Road, Newark.

QUALIFIED; Assistant or Manager; 34; best experience. "Statim," Newlands, Barnard Castle.

SATURDAY help; disengaged; highest references; all-round experience. 277/19, Office of this Paper.

AS Assistant (young); good references; Yorks preferred. "S.," c/o Crosby's, Newborough, Scarborough.

QUALIFIED; 26; West-End experience; disengaged December. "Rhei," 281 Canhill Road, Leytonstone, Essex.

QUALIFIED; any capacity; Locum or permanent; disengaged. "Chemist," 48 Conningham Road, Shepherd's Bush.

ASSISTANT; 22; 7 years' experience, Photography and Dispensing. "Radium" (278/33), Office of this Paper.

JUNIOR; 20; tall; abstainer; 4½ years' experience. Retail, Dispensing, Photography. Wilkinson, Foston, Grantham.

MANAGER; qualified; married; best references; town or country. "Chemist," 26 Oxberry Avenue, Fulham, S.W.

ASSISTANT; good Prescriber and Salesman; disengaged. "Duleis," 21 Norland Road, Notting Hill, London W.

DISPENSER; qualified; experienced; willing; slightly deaf. Longley, 171 Doncaster Road, Goldthorpe, Rotherham.

OCCASIONAL afternoon and evenings; well recommended; best references. "Aspirin," "Portelet," Leigh Road, Leyton.

QUALIFIED (woman); Dispenser or Branch Manager; good references. Crooke, 23 High Street, Sutton Coldfield.

LOCUM; London; 25; reliable; thorough experience, Dispensing, Prescribing, Managing, and West End. 278/10, Office of this Paper.

ACTIVE; reliable; middle-aged; single; abstainer; experienced; excellent references; unqualified. "Statim," 19 Chapel Street, Uxbridge.

ASSISTANT; unqualified; smart, up-to-date worker; Continental and West-End experience; married. "J.," 80 Ferndale Road, South Norwood.

LADY Dispenser (Hall certificate), with Nursing and Massage experience, seeks post; Brighton preferred. "Statim," 47 York Road, Hove.

ASSISTANT; unqualified; 30; tall; town and Agricultural experience, North and South, South Wales. Russell. Startforth, Barnard Castle.

PHARMACIST, with good references, Dispensing, Counter, and Photo, desires Managership or Assistantship. Hodgkinson, Thornton Road, Carlisle.

UNQUALIFIED; 24; 8 years' all-round experience: Prescriber and Window-dresser; abstainer; free December 4. "Ajax," 74 Coltart Road, Liverpool.

QUALIFIED Manager; temporary or permanent; first-class experience and references; London preferred. "W.," 38A Ledbury Road, Bayswater, W.

JUNIOR (19) desires position in good-class Retail and Dispensing business; Europe preferred, or Colonies; has been apprenticed. 278/30, Office of this Paper.

LOCUM, Branch Manager, or Senior; M.P.S., F.S.M.C.; Photography; Fairchild Scholar; Silver Medallist; 24; tall. Hall, 70 Bank Street, Maidstone.

LADY, with 4 years' experience in Pharmacy, Apothecaries' Hall certificate, requires situation as Dispenser. "M. T.," 21 Powderham Crescent, Exeter.

ASSISTANT; 25; single; outdoors; highest references; good Dispensing and Photographic experience; permanency; 30s. week. "W.," 9 Clarence Street, Brighton.

MANAGER; permanent or temporary; disengaged; qualified; married; age 47; 31 years' town and country experience. "Minor," 3 Helena Avenue, Margate.

QUALIFIED; 26; all-round experience; Photography; disengaged; outdoors preferred. 1/33, Office of this Paper.

EXPERIENCED; qualified Manager; married; thoroughly reliable; Prescriber and Extractor; permanent or temporary. 1/31, Office of this Paper.

ASSISTANT or Manager; experienced Retail; Dispensing, Prescriber, Extractor, Window-dresser; Relief. "Salis," 64 Clarence Gardens, Regent's Park, N.W.

UNQUALIFIED; 24; height 5 ft. 8 in.; 7 years' good Retail, Dispensing, and Photographic experience; disengaged. Whyte, 32 Crescent Grove, Clapham Common, S.W.

QUALIFIED; 28; outdoors; Senior or Manager; West-End and South Coast experience; excellent references; disengaged 30th. Gregson, 24 Church Road, Hove, Sussex.

JUNIOR or Improver; 21; disengaged; passed Preliminary; accurate Dispenser; 3 years' experience; sound reference. "Spero" (278/12), Office of this Paper.

NOTTINGHAM or Neighbouring District.—Assistant or Manager; Dispenser; good Prescriber; excellent references. Address, "Cinchona," 11 Carlton Road, Nottingham.

ASSISTANT; unqualified; 24; 7½ years' good all-round experience, Dispensing, Optics, and Photography; abstainer; excellent references. 1/27, Office of this Paper.

SENIOR or Dispenser; 28; high-class provincial and West-End experience; reliable; disengaged 20th inst. Richardson, Oxford Mansions, Oxford Road, Gunnersbury, W.

JUNIOR; 20; 5 ft. 4 in.; punctual; abstainer; references; fair knowledge Dispensing, good Counter; willing; Yorks preferred. Curtis, Lockerbie House, Royal Crescent, Bridlington.

SENIOR or Manager; outdoors; qualified; 26; 5 ft. 9 in.; high-class West-End and provincial experience; good references; disengaged. "Beta," 16 Grand Parade, Muswell Hill, N.

WANTED, by qualified Dispenser (Lady) appointment with Medical Man in London; good testimonials; experienced. Apply, "E. C.," The Cedars, Pierrepoint Road, Acton, W.

UNQUALIFIED, competent Assistant (40) desires permanency; experienced Dispenser and Counterman; London or suburbs preferred; outdoors; disengaged. 1/36, Office of this Paper.

ELDERLY Chemist; qualified; married; Branch Manager; good Prescriber and Dispenser; many years' experience; or Dispenser to a Doctor. "L.," 25 Hyde Road, Gorton, Manchester.

MANAGER; 31; unqualified; married; 18 years' good-class experience; clever Extractor, good Prescriber; permanency desired; disengaged. "Chemist," 38 Keelings Road, Hanley, Staffs.

MANAGERSHIP, with view to succession, in good-class Retail and Dispensing, London or suburbs; thoroughly experienced and reliable; age 43; married. Apply, "Scot" (280/27), Office of this Paper.

QUALIFIED; Manager or Assistant; 31; married (no family); town and country General Retail experience; Dispensing, Photographic, Extracting, Prescribing; abstainer. Ashmore, Sheep Street, Bicester.

COMPETENT Manager, now disengaged, desires permanent engagement, preferably to live over premises; advertiser, with undeniable references, is thoroughly experienced in all branches, including Dentistry; Partnership or view to purchase entertained. Apply, "Salol," 25 Bavant Road, Norbury, S.W.

PHARMACIST, just disposed of his business, is open to engagement as Manager of good-class Pharmacy, with or without view to succession; first-rate references, Wholesale houses and Bank; thoroughly experienced in all branches; excellent Salesman and of good appearance and address; personal interview if desired. 1/39, Office of this Paper.

SITUATIONS WANTED *(continued).*

LOCUM; qualified; middle-aged; all-round experience. "C. L. S.," 104 Mill Road, Cambridge.

J. PYE is disengaged; day, week, or month. 62 Lynette Avenue, Clapham Common, S.W.

QUALIFIED; middle-aged; part-time. "Pharmacist," 338 Romford Road, Forest Gate, E.

PHARMACEUTICAL Chemist; 49; Manager or Locum; varied experience. Barrass, Peterborough.

MANAGER; qualified; good Salesman; thoroughly competent; abstainer. 279/32, Office of this Paper.

ASSISTANT (young); experienced Dispenser; terms moderate. Sumat, 3 Banister Road, North Kensington.

CHEMIST'S son requires situation as Junior; disengaged December 7. Coombes, Chemist, Great Missenden.

UNQUALIFIED; 32; Prescriber, Dispenser, Extractor; Yorks preferred. "W. B.," 15 Worship Street, Hull.

QUALIFIED Chemist; long experience; low wages. Address, "Chemicus," 223 Arlington Road, Camden Town.

QUALIFIED; 34; disengaged; splendid Dispensing, Photo and Retail experience. 1/14, Office of this Paper.

MANAGER; qualified; tall; long experience; industrious. "Chemist," 15 Clarence Place, West Cliff, Whitby.

QUALIFIED; 27; 12 years' Counter and Dispensing also Store experience. "Radix" (281/3), Office of this Paper.

PART-TIME; mornings and evenings; qualified; 36; outdoors. "Pharmacist," 14 Stanley Road, Clapham, S.W.

DISENGAGED; Manager, Senior; outdoors or over business; married. "Wanstead," 47 Upton Lane, Forest Gate.

QUALIFIED; any capacity; best references; moderate salary. "Chemist," 23 Wellclose Mount, Blackman Lane, Leeds.

AS Senior or Dispenser; unqualified; aged 37; good experience and references. "Statim" (280/15), Office of this Paper.

AS Improver, wishing to gain a knowledge of Dispensing; good at Counter and Stockkeeping. State salary, 279/29, Office of this Paper.

M.P.S. (35), thoroughly experienced, desires position as Manager; permanency. "Pharmacist," 1 Armoury Road, Selby.

LOCUM, Manager, or Assistant; London, North and South country experience; highest references. "Pharmacist," 50 Pen-y-Bryn, Wrexham.

QUALIFIED Manager requires permanent berth; up-to-date, all-round; good references; disengaged. "Statim," 2 Fleming Road, Newington.

MANCHESTER.—Whole or part time; Dispensing; practical and technical Photography; excellent Counterman. Replies, 281/10, Office of this Paper.

JUNIOR or Improver; 20; London or district; indoors preferred; time for study required; excellent testimonials. "C.," 14 Cowley Road, Leytonstone.

ASSISTANT; capable Counterman, Dispenser; good experience; energetic; London preferred; outdoors; disengaged. "K.," 62 Lancelot Road, Wembley, N.W.

AS Asistant Dispenser or Manager; qualified; experienced; competent; either Medical or Pharmaceutical post desired. Address, 280/21, Office of this Paper.

TEMPORARY or Locum; qualified; 35; disengaged; experienced and thoroughly reliable; any period; recommended by Maws, etc. J. Furber, 5 Abbey View, Bath.

PHARMACEUTICAL Chemist; 24; "Square" training; Senior; outdoors; good-class Pharmacy; London experience; disengaged middle of December. 1/8, Office of this Paper.

LONDON.—Unqualified; 22; experience general; last 3 years London, N.W.; recent testimonials; Dispensing; most willing; disengaged. Dillon, Gosberton House, Gosberton.

QUALIFIED; 24; Retail, Dispensing, Photographic; West-End and provincial experience; 5 ft. 7 in.; outdoors. "Xaxn," Sylvie House, Hurgill Road, Richmond, Yorkshire.

UNQUALIFIED; experienced; moderate salary; married (no family); Mixed business not objected to; recent testimonials; disengaged. "Reliable," 48 Devonshire Road, Cambridge.

AS Chemist's Porter, Packer; 3 years' Retail experience; 10s. (outdoors); Englishman (25); character unimpeachable; life abstainer; disengaged. "J. C.," 71A Artesian Road, Bayswater.

COMPETENT Assistant, with good references; 43; tall; permanency or Locum; high-class Dispensing experience; days or half-days entertained. "B.," 6 Station Parade, Horn Lane, Acton, W.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

RESPECTABLE lad (19) requires work in Drug Warehouse. "Prompt," 14 Pepler Road, Peckham.

PILL Maker and Coater by machinery; Chemist's son wants position. "Talc" (280/4), Office of this Paper.

I REQUIRE an additional Agency on part expenses basis; good Medical or Chemists' Specialities; established connection North, Doctors and Chemists. "Northern" (279/18), Office of this Paper.

MINERAL Waters.—As Working Foreman or charge of plant; Syrups and Repairs; good references. 278/35, Office of this Paper.

TRAVELLER (37), experienced, requires engagement with good house, Drugs, Sundries, etc. Stow, 26 Spring View Road, Crookes, Sheffield.

ENGAGEMENT required by active, pushing Traveller; 4 years' connection in the South; good Speciality not objected to. 279/23, Office of this Paper.

GENTLEMAN; 38; sound connection, North Wales and Midlands, Drugs or Sundries; excellent references. James, 18 Clare Avenue, Hoole, Chester.

TRAVELLER, representing in Scotland first-class London Drug-house, desires additional Agency for Pills, Tablets, or Sundries. 265/37, Office of this Paper.

LABORATORY or Chemist's Assistant; 2½ years' reference in Laboratory; age 20; 5 ft. 10 in.; abstainer; disengaged. "G. H.," 7 King's Lea, Leatherhead.

MAN (30) seeks situation with Wholesale or Manufacturing firm; well up Surgical Sundries; 6 years' West-End experience. "K.," 122 St. Thomas Road, Finsbury Park, N.

REPRESENTATIVE, Drugs or Sundries; advertiser, sound connection South and West of England, at liberty to Represent first-class house. "A. R." (280/16), Office of this Paper.

YOUNG Chemist (Analytical) seeks post, Wholesale or Works; Public Analyst and Wholesale house experience; excellent references. "A. C.," 34 Londesboro' Road, Stoke Newington.

TRAVELLER.—Pharmacist (33), disengaged, after excellent experience with high-class firm as Medical Representative, desires permanency with good-class house as Traveller; highest references. 279/15, Office of this Paper.

TRAVELLER.—Pharmaceutical Chemist, smart, successful business man, active, abstainer, particularly well up Sundries, Drugs, Specialities, Photographics, open post South; or would accept well-known lines commission. 279/40, Office of this Paper.

TRAVELLER, with sound connection, representing a first-class London Drug house in South Wales and adjoining Counties, wishes to Represent another good firm on part expenses and commission. "A." (280/5), Office of this Paper.

TRAVELLER desires change of house; been handling 1*d.*, 2*d.*, 3*d.*, 6*d.* packed lines, carded and boxed, for well-known Midland firm; doing at present with the largest Wholesale houses throughout whole of England, and also Scotland; present turnover about £500 monthly (increasing); what offers? Apply, "Salesman" (278/24), Office of this Paper.

WANTED.—A qualified Medical Man (M.B., C.M.) wishes to obtain 12 to 24 months' work as Travelling Representative of a reputable firm; will travel anywhere required on salary and travelling expenses, or as may be arranged; has been over 20 years in general practice; highest references and best guarantees. "M. B." (273/40), Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

SITUATION wanted in Colonies or abroad; qualified; 30; Far East not objected to. Full particulars from "Aspirin" (279/22), Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—150 Claudius Ash New Preference (11*s.* paid), 12*s.* 6*d.*; 150 Baiss Bros. & Stevenson 5½ per cent. Preference, 12*s.* 9*d.*; 115 Bovril Deferred, 7*s.* 9*d.*; 20 Ordinary, 22*s.* 6*d.*; 50 Brunner Mond Ordinary, 98*s.* x.d.; 1 Camwal £50 Debenture, £37; 250 Havana Oil, 8½*d.*; 150 Idris "A" 6 per cent. Preference, 5*s.* 9*d.*; 50 New Transvaal Chemical Co., 48*s.* (25 per cent. dividends paid yearly since 1905, next due January); 200 Parke's Drug Ordinary, 2*s.* 6*d.*; 50 6 per cent. Preference, 10*s.* 1½*d.*; 150 A. J. White Preference, 10*s.* 9*d.*; 100 Joseph Watson & Sons 10 per cent. Preferred Ordinary, 30*s.*; 80 Wright Layman Preference, 20*s.* 10½*d.*

WANTED (subject).—300 Idris "A" Preference, 4*s.* 9*d.*; 100 Wright Layman Preference, 20*s.*; 200 G. B. Kent Preference, 15*s.* 7½*d.*; 200 Allenbury "B" Preference, 22*s.* 9*d.*

List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

COMPLETE second-hand Chemist's Fittings for Sale.—Ranges of Spanish Mahogany Shelving and about 100 Drug Drawers and Cupboards, Mahogany Counter with return end, Dispensing-screen, Wall-case, Perfumery-case and Bent Counter-case; the lot for £45; cost £300; also 3 second-hand Dispensing-screens, at give-away prices. D. Matthews & Son, 14 & 16 Manchester Street, Liverpool.

CHEMISTS' second-hand large Stock of Drug-fittings, Wall-cases, Dispensing-screens, Glass-fronted Counters, Window-enclosures, Mirrors, Window Shelves, Swan-neck Carboys; also complete Fittings for large Drug Stores; cheap to clear; estimates free. H. Mills, Chemists' Up-to-date Shopfitter, Shop-front Builder, Steam Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

McQUEEN'S System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Ninth Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

IF YOU WERE OFFERED

£1 in exchange for a florin, if you were wise you would test the £1, and that is all I ask you to do with regard to my system of increasing chemists' businesses. I don't offer you a pig in a bag, but merely a free booklet, with living chemists' references, some of whom you will probably know. Write or 'phone them. I will abide by what they say about me. I await your postcard.

BERNARD SLACK, 9 King St., Wolverhampton. Nat. Tel. 581.

MR. J. A. SNIDER, of Snider & Bossons, 52 Princess Street, Winnipeg, Manitoba, is now in England, and before returning to Canada is prepared to open up negotiations for introducing all kinds of Druggists' goods throughout Canada; increased business guaranteed; correspondence invited from Manufacturers and others. 275/38, Office of this Paper.

PRACTICAL SIGHT TESTING.

Private lessons given at Chemists' own residences in the use of the RETINOSCOPE and subjective methods of sight testing.

JOHN R. CORNISH, F.S.M.C.,

384 ST. ANN'S ROAD, HARRINGAY, N.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

SHOPFITTINGS (equal to new).—13-ft. Drugfitting, with Mahogany and Glass-labelled Drawers, etc.; 12-ft. Mahogany and Plate-glass Serving-counter, with Counter Drawers at back; Mahogany and Plate-glass Perfumery Showcase and Desk; 6-ft. Mahogany and Bent Plate-glass Counter Showcase; 10-ft. handsome Mahogany Wall Showcase; 6-ft. Mahogany and Plate-glass Dispensing-screen and Counter, with Sponge-case; all in excellent condition; price £60; ready for immediate use. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

A TESTIMONIAL FROM CO. DURHAM.

"I am more than satisfied with your services. Your letters have been most helpful. Your ideas I have tried have been more than successful," writes a Pharmacist who is joining for a second year. Last week three rejoined for a second year. Why? Because they were satisfied with my methods, &c. If you have not sent for copy of Booklet, "How to Increase Your Business," do so, it is sent post free to Pharmacists only, and explains what my system is, what it will do, and what it has done for other Pharmacists.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

Exchange Column—Bargains.

TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

5 LB. fine old ol. lavand. Mitcham, 54*s*. lb., sample dram 6*d*. 280/19, Office of this Paper.

SHOP FITTINGS.

CHECK till, 15*s*.; 1-lb. scales, brass beam, 15*s*.; set metric weights, 5*s*. 281/2, Office of this Paper.

TWO check cash tills, latest, 28*s*. each; also two receipt-issuing tills, duplicates and delivers receipts, 90*s*. each; bargains. EASTHAM, Marsh Villa, Thornton, Preston.

NATIONAL cash register, perfect condition, ½*d*. to 6*s*. 11½*d*., best offer; also bent-glass mirror-backed tooth-brush case, 19 in. wide, 20 in. deep, 35*s*., mahogany. LLOYDS, Chemists, Margate.

GLASS barrel, 2 gal., glass stopper and tap, 5*s*.; 5 4-gal. carboys, pear-shaped, with mahogany stands, 25*s*.; 4 2-gal. earthenware filters, new, 25*s*.; all illustrated in May Roberts'; carriage paid. GAMLEN, Chemist, West Hartlepool.

MISCELLANEOUS.

AIR-BED and bellows, second-hand, for sale; 25*s*. "W." (279/5), Office of this Paper.

14 GRAMOPHONE records, Odeon, gramophone, Columbia, zonophone, 10 in., as new; cost 43*s*. 6*d*., accept 25*s*. NICHOLLS, 21 Jubilee Street, Newquay, Cornwall.

WHAT offers for Schering's Pyro bottles, packed in crates containing one or more gross, chiefly corked? BARRETT & Co., Manufacturing Chemists, Leamington.

MATERIA-MEDICA cabinet of 12 drawers, with 200 specimens; also student's microscope; all suitable for Minor; 45*s*. the lot; must sell. HEVENINGHAM, Stafford Lane, Sheffield.

WANTED.

TUITION in teeth filling. Apply, 279/9, Office of this Paper.

"CHEMIST AND DRUGGIST" posted weekly. 17 Hill Street, Richmond, Surrey.

B.P. or Squire's, small percolator, P.J.F., small grinding mill. WALTON, Cleckheaton.

RECESS pink jars and shop bottles; optical stock or books; cash or exchange. 281/02, Office of this Paper.

MIXING machine wanted for small quantities of tooth paste, etc. Apply, BARNES, 199 Rushey Green, Catford.

DENTAL operating chair, in good condition, also spittoon; price moderate. BROWNE, 61 Wilton Avenue, Southampton.

"SCIENTIFIC MYSTERIES," a few copies wanted. State price to G. T. W. NEWSHOLME, LTD., 27 High Street, Sheffield.

A SPECIE jar, clear glass, must be 33 in. high inclusive of cover; gold and green decoration preferred. MCEWEN, 17 Craven Road, W.

OPTICAL books; Minor, Major Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

BENT-GLASS counter-case, upright ditto; 5-gr. pill-machine; scales, weights, mortars, shop-rounds, syrup bottles, spatulas, measures, slabs, etc. "CHEMIST," 115 Reading Road, Henley-on-Thames.

BACK numbers of "Chemist and Druggist," 1859-1909; "Year Book of Pharmacy," 1870-85, '95, '96, 1901, 1906-10; "British Association Reports," 1831-60, 1880, 1885, 1900-2, 1904-10; "The Analyst," 1876 date. Send price on p.o. to 263/8, Office of this Paper.

FITTINGS for small shop, 14 ft. square, neat, not heavy appearance, drawers, counter with glass front casing, dispensing-screen, shelving, wall-case, window casing and shelves; mahogany or polish not essential; wanted for painting; must be cheap. "A. E. M.," Oaklands, Shirley, Birmingham.

TO BUYERS AND SELLERS.

We take every care to ensure that proprietary and other goods advertised in this column are genuine surplus stock of reputable persons in business, and are compelled to refuse advertisements sent by those who, when occasion requires, decline to satisfy reasonable inquiries as to their *bona-fides*.

We again call the attention of those who use this column for the sale or purchase of goods to the desirability of using our Deposit System. Some forward goods before they receive money for them, and others forward money to advertisers before they have even seen the goods. Disappointment in such circumstances is bound to happen now and then, and it is to prevent this, as well as to check fraud, that our Deposit System was instituted.

The buyer sends us the money for the goods, and when we hear from him that they are satisfactory, and not till then, we hand over the money to the seller. A commission of 6*d*. is charged by us on any transaction of 3*l*. or less, and 1*s*. if above that amount. The commission is payable by the buyer, and should be included in the money sent to us. All Cheques and Postal Orders should be made payable to **"Edward Halse," and crossed "Martin's Bank, Ltd."**

PATENT SPECIFICATIONS.

Printed copies of the following specifications are on sale (8d. each) at the Patent Office, 25 Southampton Buildings, London, W.C., a fortnight after the notice of acceptance has appeared in the "Official Journal" (Patents) of the given dates. Persons desirous of opposing the grant of a patent must do so in the prescribed form within two months from the date of the "Journal" in which the notice appeared.

Specifications Accepted.

October 4, 1911.

MANUFACTURE OF AMMONIA AND CATALYTIC AGENTS FOR USE THEREIN. 19778/10. Johnson. (Badische Anilin & Soda Fabrik.)

MANUFACTURE OF SOAP. 22213/10. Grant.

BUNSEN BURNERS. 22384/10. Michl.

PHOTOGRAPHIC SENSITIVE SURFACES. 22426/10. Fulton.

REFINING CRUDE MINERAL WAX. 22500/10. Wachs- und-Oel-Werke Boyen & Hoepfner Ges. and Von Boyen.

SEPARATING COLLOIDAL SUBSTANCES FROM PSEUDO-SOLUTIONS. 23466/10. Richter & Richter and Von Orth.

PROCESS FOR PRESERVING MILK. 24275/10. Laboré.

ELECTRICAL PURIFICATION OF GASES. 142/11. Johnson. (Badische Anilin & Soda Fabrik.)

MANUFACTURE OF CALCIUM PERBORATE. 1626/11. Chemische Werke vorm. Dr. H. Byk.

INDIARUBBER SUBSTITUTE. 1723/11. Tolkien.

MANUFACTURE OF MALT COFFEE. 5863/11. Gaebel.

STERILISING LIQUIDS. 6178/11. Henri, Helbronner & Von Recklinghausen.

SEPARATING HYDROGEN FROM MIXTURE OF GASES. 7205/11. Ges. für Linde's Eismaschinen Akt.-Ges.

PRODUCTS FROM SOJA-BEANS. 11789/11. Li.

SULPHOCYANIC-ACID COMPOUNDS. 13934/11. Nerking.

PRODUCING SOLUTIONS OF NITROGEN PENTOXIDE IN MONO-HYDRATE OF NITRIC ACID. 15432/11. Elektrochemische Werke Ges.

PRODUCING AMMONIA FROM NITROLIME. 18207/11. Lidholm.

October 11, 1911.

CAUSING NITROGEN TO REACT TO FORM AMMONIA. 23046/10. Phillips & Bulteel.

STERILISING LIQUIDS BY ULTRA-VIOLET RAYS. 23077/10 and 1895/11. Henri, Helbronner & Von Recklinghausen.

PURIFYING HYDROCARBONS. 23467/10. Richter & Richter.

NEW MEDICINAL SOAPS. 24981/10. Newton. (Farbenfabriken vorm. F. Bayer & Co.)

APPARATUS FOR SUPPLYING PULVERULENT SUBSTANCES IN MEASURED QUANTITIES. 26126/10. Hughes & Pom, Ltd.

APPARATUS FOR DISTRIBUTING INSECTICIDES AND FERTILISERS UPON GROWING CROPS. 26154/10. Chafer.

PURIFYING WATER FROM GERMS. 28353/10. Gans.

MANUFACTURING AMMONIUM SULPHATE. 29386/10. Collett & Eckardt.

INVISIBLE SUPPORT FOR USE OF INVALIDS. 1778/11. Nesbitt.

FIRE-EXTINGUISHING AND FUMIGATING OR DISINFECTING APPARATUS. 4979/11. Sluyterman.

SURGICAL APPARATUS FOR DRYING WOUNDS. 9561/11. Hocke.

MANUFACTURE OF MANGANATES. 11701/11. Newton. (Farbenfabriken vorm. F. Bayer & Co.)

BAKING-POWDER. 12668/11. Dietrich.

MANUFACTURE OF A DRYING-AGENT. 13990/11. Allgemeine Ges. für Chemische Industrie.

October 18, 1911.

APPARATUS FOR TREATING DEAFNESS. 23385/10. Hackett & Greenwood.

FUNGICIDES, INSECTICIDES, AND THE LIKE. 23477/10. Voss.

PREPARATION FOR TREATING THE HAIR. 23922/10. Burton.

SOLDERING ALUMINIUM. 27730/10. Rae.

MANUFACTURE OF CINNAMIC ESTERS. 28247/10. Newton. (Farbenfabriken vorm. F. Bayer & Co.)

MANUFACTURE OF ISOPRENE. 1704/11. Johnson. (Badische Anilin & Soda Fabrik.)

TOILET-GLOVES. 2625/11. Davis.

X-RAY TUBES. 7076/11. Tousey.

SOLID FATTY SUBSTANCES FROM OILS. 8147/11. H. Schlinck & Cie. Akt.-Ges.

SEPARATING OXYGEN AND NITROGEN FROM THE ATMOSPHERE. 2307/11. Kassner.

HOSPITAL FURNITURE. 13141/11. Down.

PROCESS FOR PEROXIDISING THE ALKALI METALS. 15189/11. Soc. Anon. des Usines de Riouperoux.

October 25, 1911.

SULPHUROUS-ACID SALTS. 24501/10. Dr. Friedrich et Cie. & Hirsch.

POLYMERISED GLYCERIN. 24608/11. Nobel's Explosives Co., Rintoul & Innes.

MEANS FOR ADDING CHEMICALS TO WATER, ETC. 29322/10. Bell & Bell.

TREATMENT OF RUBBER LATEX. 20/11. Clarkson.

MODIFYING FORM OF NOSE. 566/11. Duchatellier.

NAVEL RUPTURE TRUSS. 2896/11. Heinrich Loewy.

CATAMENIAL APPLIANCES. 5362/11. Tritsch.

SEPARATING HYDROGEN FROM MIXTURE OF GASES. 9260/11. Ges. Für Lindes Eismaschinen Akt.-Ges.

HARDENING, PRESERVING, AND WATERPROOFING PREPARATION FOR LEATHER. 11411/11. Parks.

POULTRY INSECTICIDE APPLICATOR. 12903/11. Shuler.

TAKING DENTAL IMPRESSIONS. 14494/11. Marcks.

PREPARATION OF SOLID HYDROGEN PEROXIDE COMPOUNDS. 14502/11. Thompson. (Chemische Fabrik Gedeon Richter.)

STERILISING BY ULTRA-VIOLET RAYS. 16110/11. Walkey.

RENDERING FABRICS NON-INFLAMMABLE. 16557/11. Johnson & Newton.

LOOFAHS FOR WASHING PURPOSES. 19125/11. Reuter & Taffs.

Specifications Open for Inspection.

CONCENTRATING APPARATUS FOR SULPHURIC ACID. 8142/11. Vialleix & Perrin.

MANUFACTURE OF UREA. 20611/11. Immendorff & Kappen.

HOT-WATER BOTTLE. 20889/11. Lamb.

APPARATUS FOR IRRIGATING THE BOWELS. 13935/11. Brosch & Von Aufschnaiter.

Coal-tar Products.

Comparison of Output by the United Kingdom and Germany.

THE table below gives comparative figures of the coal-tar industries of Germany and the United Kingdom. The former are taken from the official "Nachrichten für Handel und Industrie," and relate to the year 1908. The latter are based upon figures taken from Part IX. of the Preliminary Tables of the Census of Production for 1907:

—	Germany		United Kingdom	
	Tons	Value	Tons	Value
Crude products:		£		£
Tar	799,000	914,000	846,000	833,000
Semi-manufactured products of tar distillation	44,000	183,000	—	—
Ammoniacal liquor ...	—	—	—	361,000
Ammonia in ammoniacal liquor	830	22,000	—	—
Ammoniacal liquor and crude tar (not separately distinguished)...	—	—	—	179,000
Total value ...	—	1,119,000	—	1,373,000
Goods produced:				
Pitch	396,200	638,500	647,000	795,000
Refined tar	82,400	151,300	6,251,000*	64,000
Heavy coal-tar oils (carbolic, creosote, naphthalene and other oils)	244,000	491,000	65,613,000*	672,000
Naphthalene—				
Crude	19,400	45,300	14,000	42,000
Refined	16,400	88,100		
Anthracene, crude and refined	4,000	31,800	1,400	9,000
Pyridin bases	380	12,500	—	—
Carbolic acid	—	—	8,000 and 688,000*	208,000
Phenol (crystallised carbolic acid)	1,000	42,100	—	—
Creosol (90-100 per cent. carbolic acid)	2,000	19,100	—	—
Crude phenol for sale .	570	4,800	—	—
Benzol, crude and refined	13,000	108,400	6,212,000*	182,000
Toluol, crude and refined	2,600	38,200		
Naphtha	—	—	4,188,000*	141,000
Xylol, solvent naphtha, and heavy benzols, crude and refined ...	4,600	39,000	—	—
Other products ...	4,100	13,600	—	—
Other coal-tar by-products (not dyes) ...	—	—	—	565,000
Ammoniacal liquor, concentrated	116	1,500	—	—
Ammonium sulphate .	1,150	14,600	260,000	2,823,000
Ammonia solution ...	900	20,600	—	—
Ammonium chloride...	58	1,200	—	—
Total value ...	—	1,761,600	—	5,501,000

* Gallons.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events which are sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Friday, November 17.

Bournemouth Pharmaceutical Association, Gervis Hall, at 8.15 P.M. General meeting and election of officers.

Irish Chemists' Assistants' Association, Central Hotel, Dublin, at 8 P.M. Smoking-concert.

Sunday, November 19.

National Union of Assistant Pharmacists, London Branch, London College of Pharmacy, Clapham Road, S.W., at 3 P.M. Mr. V. Bottomley will open a discussion on the National Insurance Bill and the Shops Bill.

Monday, November 20.

Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C., at 8 P.M. Annual meeting and address by Professor Dixon on "The Relation of the Pharmacist to Therapeutics."

Tuesday, November 21.

Hull Association of Pharmacists, Grosvenor Hotel, Carr Lane, at 9 P.M.

Wednesday, November 22.

Nottingham Pharmaceutical Association, Victoria Hotel, at 9 P.M. Social meeting.

Dundee Chemists' Assistants' and Apprentices' Association, Lamb's Hotel, at 8.30 P.M. Social evening. Tickets (2*s.* 3*d.* each) from Mr. Alex. Soutar, Hon. Secretary, Royal Infirmary.

Thursday, November 23.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 P.M. Berthelot memorial lecture by Professor Harold B. Dixon.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Lecture by Dr. James Cantlie.

Sheffield Chemists' Athletic Club, The Imperial Rooms, Pinstone Street, at 8 P.M. Whist-drive. Tickets (2*s.* 6*d.* each) from Mr. G. F. H. Coates, 152 Sharrow Lane.

Friday, November 24.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8.30 P.M. Dr. David Ellis on "The Bearing of Bacteriology on the Work of the Pharmaceutical Chemist."

Irish Chemists' Assistants' Association, 2 Aston's Place, Dublin, at 8 P.M. Lecture by Mr. Louis Kelly, B.L.

Lancaster Chemists' Association.—The annual dinner will be held at the King's Arms Hotel on November 29. The President (Mr. J. Vince) will be supported by the Mayor of Lancaster, Mr. J. Rymer Young, Mr. C. H. Burroughs, and Mr. Alan Francis.

Hull Association of Pharmacists.—The annual dinner will be held at the Grosvenor Hotel on December 7. Tickets (4*s.* each) from Mr. Walter Staning, Hon. Secretary, 455 Anlaby Road.

Plymouth, Devonport, and Stonehouse Association of Pharmacists.—The annual dinner will be held at the Café Genoni, Plymouth, on November 29. Tickets (5*s.* 6*d.* each) from Mr. T. A. Perkins, Hon. Secretary, 15 Cumberland Street, Devonport.

Chemists' Assistants' Association.—The annual reunion (smoking-concert) will be held in the Alexandra Hall, Restaurant Frascati, Oxford Street, London, W., on November 30, under the chairmanship of Mr. Alan Francis. The following artistes have been engaged: Miss Doris Lee (comedienne), Mr. Harry Barratt (baritone), Mr. Ernest Sewell (sleight-of-hand), Mr. Charles Wreford (dialect), Mr. William Aspinell (tenor), Mr. Fred Curtis, Mr. Lauri Wylie and his toy theatre, Mr. Frank Powell and Mr. Harry Hall (humorists). Tickets (1*s.* 6*d.* each) are obtainable from Mr. Alf. R. Arrowsmith, 4 Stratford Place, Oxford Street, W., or Mr. C. W. Martin, 98 Camberwell New Road, S.E.

Cyprus Sponges.—There were fifteen boats working in Cyprus waters fishing for sponges during the season 1910-11, under contract to pay fees in kind, machine boats with diving apparatus at 25 per cent., and other boats, whether harpoon or naked diving, at 20 per cent. of the total gross catch. The Government share amounted to 436 okes of good sponges and 26 okes of Skarta sponges, but no sale took place as unsatisfactory prices were offered, and the sponges will be sold with this year's catch. The estimated value of the 436 okes is 700*l.*, while the total expense to revenue was 83*l.*

"Pharmaceutical Formulas."

New and Revised Edition.

THE eighth edition of this popular chemists' book has been published this week at the offices of The Chemist and Druggist, 42 Cannon Street, London, E.C. It contains a great deal of new matter, including several hundred new formulas, a treatise on modern skin-creams, and notes on insects and insecticides. The contents include:

Toilet Preparations and Specialities (68 pages).
Preparations for the Hair (65 pages).
Dental Preparations (44 pages).
Perfumes (68 pages).
Beverages (63 pages).
Culinary and Household Requisites (105 pages).
Horticultural and Agricultural Preparations (24 pages and Appendix).
Writing-materials (38 pages).
Varnishes, Polishes, and Stains (32 pages).
Lozenges (14 pages).
Miscellaneous Preparations (27 pages).
Photographic Chemicals and Preparations (22 pages).
Galenical and Medicinal Preparations (271 pages).
Bacteriological and Microscopic Work Preparations (11 pages).
Supplementary Chapter embracing additional formulas in all these classes (141 pages).
Appendix (22 pages).
Index (49 pages).

The book is a compact volume of 1040 pages (the first three editions contained 662 pages), strongly bound in black buckram. Price 10*s.* net, by post 10*s.* 6*d.* It is stocked by the following houses, from whom it may be obtained at the published price:

Ayrton, Saunders & Co., Ltd., Liverpool.
Barclay & Sons, Ltd., Farringdon Street, London, E.C.
British Drug Houses, Ltd., Graham Street, City Road, E.C.
Bryce, Wm., 54 Lothian Street, Edinburgh.
Butler & Crispe, 82 Clerkenwell Road, London, E.C.
Chemist and Druggist Office, Melbourne.
Edwards, W., & Son, 157 Queen Victoria Street, London.
Evans Sons Lescher & Webb, Ltd., London.
Evans Sons Lescher & Webb, Ltd., Liverpool.
Glasgow Apothecaries' Co., Glasgow.
Gower, J., publisher, Waterloo, Liverpool.
Hall, Foster & Co., Newcastle-on-Tyne.
Hatrick, W. & R., & Co., Glasgow.
Hirschfeld Bros., 263 High Holborn, W.C.
Hirst, Brooke & Hirst, Ltd., Leeds.
Holmes, W. & R., Glasgow.
Hovenden, R., & Sons, Berners Street, London, W.
Ismay, J., & Sons, Newcastle-on-Tyne.
Lennon, Ltd., London and Cape Town.
Lewis, H. K., 136 Gower Street, London, W.C.
Maw, S., Son & Sons, Aldersgate Street, London, E.C.
May, Roberts & Co., 7-11 Clerkenwell Road, London, E.C.
McKesson & Robbins, New York City.
Newbery, F., & Sons, Ltd., 27 Charterhouse Square, E.C.
Paterson, W., & Sons, Aberdeen.
Pinkerton, Gibson & Co., Edinburgh.
Potter & Clarke, 60 Artillery Lane, London, E.C.
Raimes, Clark & Co., Edinburgh.
Raimes & Co., York.
Sangers, 258 Euston Road, London, N.W.
Simpkin, Marshall & Co., Ltd., Stationers' Hall Court, E.C.
Southall Bros. & Barclay, Ltd., Birmingham.
Sutton & Co., 76 Chiswell Street, London, E.C.
Thompson, John, Ltd., Liverpool.
Woolley, J., Sons & Co., Ltd., Manchester.

"This book has been the means of putting many pounds into my pocket each year," writes a *Lancashire Chemist* (230/68).

"I congratulate you," writes a correspondent (233/41) "on the really compendious and splendid edition that you have turned out. It is the A B C of pharmaceutical preparations and information."

"No," said the chemist, "we haven't got that, but——" "Oh, I don't want something else that is just as good," the would-be customer interrupted. "I wasn't going to offer you something just as good. What I started to say was that if you didn't look out you'd have your elbow on the fly-paper—there! You've gone and got yourself stuck to it!"

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YORKSHIRE RELISH.

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